

Your Pathway to Success
THE POWER OF
CH **ICE**

**Klein ISD
High School
Course Catalog
2023-2024**



Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index

Table of Contents

<u>Graduation Plan</u>	<u>3</u>
<u>Special Programs</u>	<u>4</u>
<u>Core Courses</u>	<u>5</u>
<u>STEM</u>	<u>57</u>
<u>Business & Industry</u>	<u>69</u>
<u>Public Service</u>	<u>117</u>
<u>Arts & Humanities</u>	<u>149</u>
<u>Multi-Disciplinary</u>	<u>166</u>
<u>Advanced Academics</u>	<u>167</u>
<u>Accelerated Pathways</u>	<u>179</u>
<u>Course Fees</u>	<u>180</u>
<u>Index</u>	<u>189</u>

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Graduation Plan

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

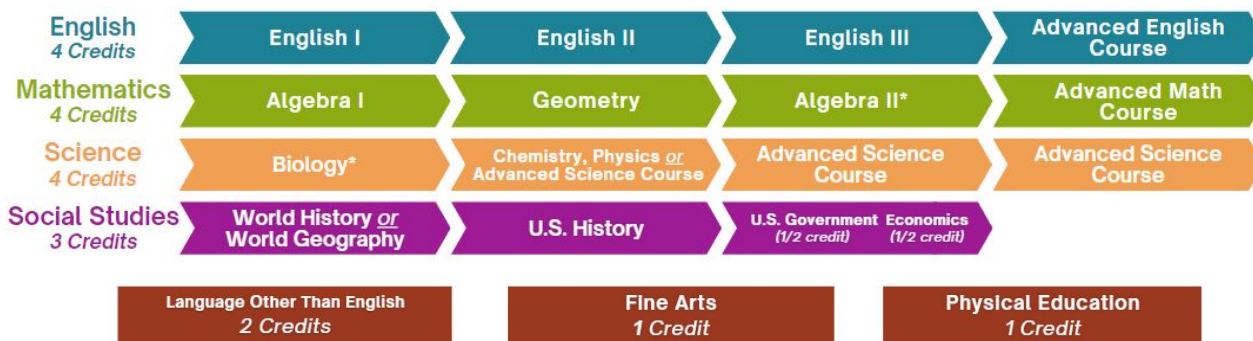
Foundation High School Graduation Plan

with a distinguished level of achievement & 1 Endorsement (26 Total Credits)

The Foundation High School Graduation Plan with a distinguished level of achievement & 1 Endorsement is the default graduation program for Klein ISD students. Students create their graduation plan as eighth graders during course selection prior to entering 9th grade.

Required Courses

Required credits include English, Mathematics, Science, Social Studies, Languages Other Than English, Physical Education, Fine Arts, Electives, Endorsement specific courses, & a demonstrated proficiency in Speech.



Endorsements

Endorsements are a series of courses grouped together by interest or skill. They provide students with in-depth knowledge of a subject area. Students entering 9th grade must choose an endorsement to follow, but may change or add an endorsement at any time. When students complete Klein ISD pathways, 1 or more endorsement is automatically part of their coursework. **Endorsements include Arts & Humanities, Business & Industry, Multidisciplinary Studies, Public Service, and/or Science, Technology, Engineering & Mathematics (S.T.E.M.).**

End of Course Exams

STAAR end-of-course exams are state mandated tests given during the final weeks of a course. In addition to meeting graduation course requirements, students are required to pass five end-of-course exams to earn a diploma from a Texas public high school. Those five exams are given when a student takes English I and II, Biology, Algebra I and U.S. History courses.

Distinguished Level of Achievement

Every student chooses a High School Graduation plan with a distinguished level of achievement.

By graduating at a distinguished level of achievement students are **eligible** for

- Top 10% automatic admissions at Texas public universities
- Certain financial aid including the TEXAS Grant Program & the Texas Educational Opportunity Grant Program (*Must be financially qualified*)

Special Programs

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index

SPECIAL EDUCATION

Special education services are provided to students who are eligible for services under IDEA as determined by an Admission, Review and Dismissal Committee (ARD). Eligibility is based on identified disabilities and the need for specially designed instruction that are required to meet individual student needs. Depending on the student needs, academic services may be provided through regular and/or special education. Specialized instruction is provided along a continuum and reviewed at least annually. The continuum could include

- Accommodation support.
- In Class Support;
- Modified Curriculum;
- Curriculum access through prerequisite skills.

SECTION 504

Section 504 services are provided to students with physical or mental impairments that substantially limit one or more major life activity. Eligibility is determined by a committee of persons with knowledge of the student, the evaluation data and service options. Students who qualify for Section 504 services receive accommodations and services through the general education setting, in accordance with the student Individual Accommodation Plan (IAP). These supports are intended to provide equal access and level the playing field, as compared to non-disabled peers. Course content for 504 students is not modified or changed. Parents who believe they have a child who may qualify for accommodations or services should contact their child's school counselor or the campus 504 coordinator.

DYSLEXIA AND RELATED DISORDERS

The dyslexia referral, screening, evaluation and identification process is conducted in accordance with the guidelines outlined in the [Texas Dyslexia Handbook \(2021\)](#). Students identified as meeting the criteria as a student with dyslexia or a related disorder (such as dysgraphia) can be served through special education or Section 504 services. Students who qualify for dyslexia services are provided systematic, research-based interventions that align with the requirements outlined in the Texas Dyslexia Handbook (2018). Parents who believe that their child is experiencing difficulties with reading, writing or spelling, despite conventional instruction, should contact their child's teacher or campus administrator regarding a request to consider an evaluation.

GIFTED AND TALENTED EDUCATION

The gifted/talented referral, assessment, and identification process is conducted in accordance with the guidelines outlined in the [Texas State Plan for the Education of Gifted/Talented Students \(En Espanol\)](#). Students in grades K-12 identified as gifted/talented perform at or show the potential for performing at a remarkably high level of accomplishment when compared to others of the same age, experience, or environment and receive instructional services within the classroom and in specialized advanced courses. Students who qualify for gifted/talented instructional services develop innovative products and sophisticated performances that reflect individuality and creativity and are targeted to an audience outside the classroom. Summaries of program services are provided to families quarterly.



Core Courses

<u>English Language Arts</u>	<u>6</u>
<u>Language Other Than English</u>	<u>18</u>
<u>Mathematics</u>	<u>29</u>
<u>Science</u>	<u>37</u>
<u>Social Studies</u>	<u>46</u>
<u>Health</u>	<u>52</u>
<u>Physical Education</u>	<u>53</u>
<u>Other Electives</u>	<u>55</u>

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



English Language Arts

ENGLISH 1

KISD #: 0111

Grades: 9

1 Credit

Prerequisite:

None

English 1, the introductory high school course, focuses on basic concepts and skills in the language arts. Through integrated units of study, the curriculum provides instruction in the composing process of multi-paragraph compositions, applied grammar concepts, conventions of language, syntax, literary genres, cultural attitudes/customs in literature, basic literary terminology, reading/critical thinking skills, and rhetorical writing activities. Emphasis is on the development of effective written communication for a variety of purposes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH 1 Sheltered Instruction

KISD #: 0811

Grades: 9-12

1 Credit

Recommended Prerequisite: Counselor Approval

English 1 Sheltered is designed to support emergent bilingual students. This course will cover the essential elements of English 1 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This introductory high school course focuses on basic concepts and skills in the language arts. Through integrated units of study, the curriculum provides instruction in the composing process of multi-paragraph compositions, applied grammar concepts, conventions of language, syntax, literary genres, cultural attitudes/customs in literature, basic literary terminology, reading/critical thinking skills, and rhetorical writing activities. Emphasis is on the development of effective written communication for a variety of purposes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) 1

KISD #: 0115

Grades: 9-12

1.0 Credit

Prerequisite:

Counselor Approval

The ESOL 1 course is designed for emergent bilingual students who are state category 1 and 2 and who have been enrolled in U.S. schools 3 years or less. This course will cover the essential elements of English 1 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This introductory high school course builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 9th grade. ESOL 1 may be substituted for English 1. Students may also enroll in ELDA and/or Reading Sheltered. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH 1 KLEIN PREP (KP)

KISD #: 0113Q

Grades: 9

1 Credit

Prerequisite:

KLEIN PREP Guidelines

English I KP is designed for students who excel in the language arts and are interested in enrolling in English AP courses in the future. This introductory high school course builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 9th grade. The student will increase and refine critical reading and writing skills, communicate effectively through exposition, analysis, and argumentation, experience different genres to interpret a work's structure, style, theme, symbolism, imagery and tone and develop stylistic maturity. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

ENGLISH 1 KLEIN PREP (KP)/GT

KISD #: 0117

Grades: 9

1 Credit

Prerequisite:

Meets district guidelines

English I KP/GT is designed for identified gifted learners who require specialized instructional services. These students are identified as performing or having the potential for performing at remarkably high academic levels through differentiated curriculum. This introductory high school course builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 9th grade. The course emphasizes critical thinking skills and promotes creative, productive thinking. The student will increase and refine critical reading and writing skills, communicate effectively through exposition, analysis, and argumentation, experience different genres to interpret a work's structure, style, theme, symbolism, imagery and tone and develop stylistic maturity. GT services are provided through the KLEIN PREP classes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



ENGLISH 1 HUMANITIES GT

KISD #: 0144GT
Grades: 9 1 Credit
Prerequisite: Identified Gifted Learner

This course will offer students a rigorous curriculum meant to challenge and empower our most advanced and gifted/talented learners. This course is not “worksheet-based”, but rather “Socratic and creative” in nature. Through the examination of psychology, philosophy, history, literature, language, science, and culture, this course explores sub-disciplines of the humanities, so that student-thinkers are able to analyze texts and ideas deeply and meaningfully. Discussion and discourse will be the norm for this course. This course aims to build the foundation needed to succeed in future ELA courses and expose students to high-level critical thinking. This course will better prepare our students for high-stakes exams like the PSAT, SAT, ACT and AP exams.

ENGLISH 1 HUMANITIES KP

KISD #: 0144Q
Grades: 9 1 Credit
Prerequisite: Teacher Recommendation.

This course will offer students a rigorous curriculum meant to challenge and empower our most advanced and gifted/talented learners. This course is not “worksheet-based”, but rather “Socratic and creative” in nature. Through the examination of psychology, philosophy, history, literature, language, science, and culture, this course explores sub-disciplines of the humanities, so that student-thinkers are able to analyze texts and ideas deeply and meaningfully. Discussion and discourse will be the norm for this course. This course aims to build the foundation needed to succeed in future ELA courses and expose students to high-level critical thinking. This course will better prepare our students for high-stakes exams like the PSAT, SAT, ACT and AP exams.

ENGLISH 1 AND 2 PRE-IP (Klein Oak HS Only)

KISD #: 3470, 3472
Grades: 9-10 1.0 Credit per year
Prerequisite: Acceptance in IB® Programme

Students will take the introductory courses entitled Pre-IP English 1 & English 2 for focused instruction on the prerequisite skills and concepts needed for IB English in 11th grade. Pre-IP English 1 and 2 are appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for 9th and 10th grade respectively. Pre-IP English 1 emphasizes the goals of helping learners to connect with literature, write effectively, and prepare and deliver oral presentations. Students will explore classical and contemporary works of literature from our nation and the world. Major literary works representing various genres, authors, and historical periods will be emphasized. Composition instruction will focus on writing as an essential way to develop, clarify, and communicate ideas in persuasive, expository, literary, and expressive discourse. Vocabulary study will include the Latin and Greek influences on the English language. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB English Higher-Level course. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

ENGLISH 1 AND 2 PRE-IP (Klein Oak HS Only)

KISD #: 3470, 3472

Grades: 9-10

1.0 Credit per year

Prerequisite:

Acceptance in IB® Programme

Students will take the introductory courses entitled Pre-IP English 1 & English 2 for focused instruction on the prerequisite skills and concepts needed for IB English in 11th grade. Pre-IP English 1 and 2 are appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for 9th and 10th grade respectively. Pre-IP English 1 emphasizes the goals of helping learners to connect with literature, write effectively, and prepare and deliver oral presentations. Students will explore classical and contemporary works of literature from our nation and the world. Major literary works representing various genres, authors, and historical periods will be emphasized. Composition instruction will focus on writing as an essential way to develop, clarify, and communicate ideas in persuasive, expository, literary, and expressive discourse. Vocabulary study will include the Latin and Greek influences on the English language. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB English Higher-Level course. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

ENGLISH 2

KISD #: 0121

Grades: 10

1 Credit

Prerequisite:

English 1 or Counselor Approval

English II, builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 10th grade. This course continues to focus on writing experiences for a variety of audiences and forms, documented multi-paragraph compositions, identification of literary symbols, development of theme in a literary work, and the utilization of advanced/special reference materials. Through thematic units of study, the curriculum provides extensive practice in rhetorical writing integrated with the study of literature and the development of critical thinking. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH 2 Sheltered Instruction

KISD #: 0821

Grades: 9-12

1.0 Credit

Prerequisite:

None

English 2 Sheltered is designed to support emergent bilingual students. This course will cover the essential elements of English 2 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This introductory high school course focuses on basic concepts and skills in the language arts. Through integrated units of study, the curriculum provides instruction in the composing process of multi-paragraph compositions, applied grammar concepts, conventions of language, syntax, literary genres, cultural attitudes/customs in literature, basic literary terminology, reading/critical thinking skills, and rhetorical writing activities. Emphasis is on the development of effective written communication for a variety of purposes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) 2

KISD #: 0125

Grades: 9-12

1.0 Credit

Prerequisite:

Counselor Approval

The ESOL 1 course is designed for emergent bilingual students who are state category 1 and 2 and who have been enrolled in U.S. schools 3 years or less. This course will cover the essential elements of English 1 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This introductory high school course builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 9th grade. ESOL 1 may be substituted for English 1. Students may also enroll in Reading Sheltered and/or ELDA. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH 2 KLEIN PREP (KP)

KISD #: 0123Q

Grades: 10

1.0 Credit

Prerequisite:

English I and KLEIN PREP Guidelines

English II-(KP) is designed for highly motivated students who excel in the language arts and are interested in studying a differentiated curriculum that includes a wider range and greater depth of subject matter. The course emphasizes critical thinking skills and promotes creative, productive thinking. Emphasis is placed on the development of advanced cognitive concepts and processes, guided and independent research, and the incorporation of student-determined ideas and interests. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



COMMUNICATIONS APPLICATIONS

KISD #: 0189

Grades: 9-12 .5 Credit

Prerequisite: None

Students enrolled in Communication Applications will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. The course emphasizes the application of verbal and nonverbal skills and critical-thinking and problem-solving processes.

COMMUNICATIONS APPLICATIONS SHELTERED INSTRUCTION

KISD #: 0189S

Grades: 9-12 .5 Credit

Prerequisite: Counselor Approval

Communications Applications Sheltered Instruction is designed to support emergent bilingual students. Students enrolled in Communication Applications will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. The course emphasizes the application of verbal and nonverbal skills and critical-thinking and problem-solving processes. This course will have an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content for emergent bilingual students.

COMMUNICATIONS APPLICATIONS DUAL CREDIT

KISD #: 0189DC

Grades: 9-12 .5 Credit

Prerequisite: Meets district guidelines

Introduces basic human communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking. Students will apply the principles of human communication including perception, verbal communication, nonverbal communication, listening, and audience analysis.

Advanced Grade Points: Yes

Dual Credit Correlation: SPCH 1311

PROFESSIONAL COMMUNICATIONS

KISD #: 9700

Grades: 9-12 .5 Credit

Prerequisite: None

This is an activity-based career development course in which students will develop an understanding of professional communications through exploration of the career clusters. Students will explore a variety of career options and activities including formal and informal presentations, resume writing, and job interviewing. Students will exhibit public relations skills, leadership characteristics, knowledge of the global economy, and information technology applications.

ORAL INTERPRETATION 1

KISD #: 0160

Grades: 9-12 1 Credit

Prerequisite: Public Speaking 1 or Communications Applications and Sponsor Approval or Speech 7/8 and Sponsor Approval

Oral Interpretation I is designed for the student who wishes to explore and learn the fundamental concepts and skills of oral interpretation. The curriculum focuses on the following: exploration of interpretive reading and of potential literary selections; analysis of literary merit including qualities of universal appeal and uniqueness of literary works; determination of literary meaning including emotional impact and preferred styles of authors and literary types; the role of the interpreter in recreating the intellectual, emotional, and aesthetic aspects of literary works; selection of literature according to nature of audience and personal preferences; analysis of literature including author's purpose, structure, and style; performance techniques including use of voice and body; adaptation of literature to preserve the author's intent, form and style; performance of literature in individual and group presentations; and, criteria for evaluating interpretation techniques and audience reaction.

ORAL INTERPRETATION 2

KISD #: 0161

Grades: 10-12 1 Credit

Prerequisite: Oral Interpretation 1 and Sponsor Approval

Oral Interpretation 2 further expands and refines the course objectives outlined in the Oral Interpretation 1 curriculum. This course is designed for the student who wishes to participate in the practical application of oral interpretation skills through competitive speech tournament events.

ENGLISH 2 KLEIN PREP (KP)/GT

KISD #: 0126
Grades: 9-12 1.0 Credit
Prerequisite: Meets district guidelines

English II (KP-GT) is designed for identified gifted learners who require specialized instructional services. These students are identified as performing or having the potential for performing at remarkably high academic levels with a differentiated curriculum that includes a wider range and greater depth of subject matter that focuses on world literature. The course emphasizes critical thinking skills and promotes creative, productive thinking. Emphasis is placed on the development of advanced cognitive concepts and processes, guided and independent research, and the incorporation of student-determined ideas and interests. An extensive research project and focused interdisciplinary units evolve from student interests and input. GT services are provided through the KLEIN PREP classes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.
Advanced Grade Points: Yes

ENGLISH 3

KISD #: 0131
Grades: 11 1.0 Credit
Prerequisite: None

English III further expands and refines language arts concepts and skills introduced in English III. In addition, this course focuses on the following: selection of rhetorical choices based on audience, purpose, and form; writing longer compositions incorporating outside information with documentation; writing a variety of forms of informative and persuasive discourse; writing at least one form of literary discourse; knowledge of history and major features of American dialects; recognition of sociological functions of language; analysis of word analogies and other forms of advanced vocabulary development; recognition of major American authors, literary periods, works, and literary forms; recognition of the characteristics of literary selections; use of reading concepts and skills to enhance the development of the thinking/reasoning processes; and, use of specialized reference sources. Through integrated units of study, the curriculum provides extensive experience in rhetorical writing activities in the study of literature and in the development of critical thinking.

ENGLISH 3 Sheltered Instruction

KISD #: 0831
Grades: 11-12 1.0 Credit
Prerequisite: Counselor Approval

English 3 Sheltered is designed to support emergent bilingual students. This course will cover the essential elements of English 3 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. English III further expands and refines language arts concepts and skills introduced in English III. In addition, this course focuses on the following: selection of rhetorical choices based on audience, purpose, and form; writing longer compositions incorporating outside information with documentation; writing a variety of forms of informative and persuasive discourse; writing at least one form of literary discourse; knowledge of history and major features of American dialects; recognition of sociological functions of language; analysis of word analogies and other forms of advanced vocabulary development; recognition of major American authors, literary periods, works, and literary forms; recognition of the characteristics of literary selections; use of reading concepts and skills to enhance the development of the thinking/reasoning processes; and, use of specialized reference sources. Through integrated units of study, the curriculum provides extensive experience in rhetorical writing activities in the study of literature and in the development of critical thinking.

ADVANCED PLACEMENT® ENGLISH LANGUAGE AND COMPOSITION

KISD #: 0135
Grades: 11 1.0 Credit
Prerequisite: No prerequisites

The AP® English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text— from a range of disciplines and historical periods. **Students enrolled in this course must take the AP® exam to earn college credit.**
Advanced Grade Points: Yes

Table of Contents
Graduation Plan
Special Programs
Core Courses
STEM
Business & Industry
Public Service
Arts & Humanities
Multi-Disciplinary
Advanced Academics
Accelerated Pathways
Course Fees
Index

ENGLISH 3 DUAL CREDIT

KISD #: 0131DC
Grades: 11 1.0 Credit
Prerequisite: Meet district guidelines

Study and practice in the writing process, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Study and practice of strategies and techniques for developing research based expository and persuasive texts. Emphasis on primary and secondary research methods. **Students must earn a minimal score on the TSIA exam prior to enrollment in the course.**
Dual Credit Correlation: ENGL 1301 and 1302

INTERNATIONAL BACCALAUREATE® LANGUAGE & LITERATURE HL1 & HL2 (Klein Oak HS Only)

KISD #: 3404HL1, 3404HL2
Grades: 11-12 1.0 Credit per year
Prerequisite: Pre-IP English 1 and 2 or Acceptance into IB programme

The IB Language & Literature courses focus on the rigorous academic demands of an International Baccalaureate® Higher Level course. This two-year, intensive study of English language and literature develops students’ analytical abilities and creative powers of expression, both in oral and written communications. It encourages them to be original, independent, critical and logical thinkers, and to appreciate literature as an art form. Students learn techniques to analyze literary passages, drawn from prose and poetry, representative of a variety of historical literary periods. Various genres, styles, themes and contexts are examined through the analysis of grouped works. Students explore the ongoing forces of human creativity, artistic ingenuity, and cultural diversity that shape and develop literature. Students engage in daily formal and/or in formal writing tasks including free writing, response journals, dialectical journals, essays, abstracts, critiques and commentaries. They practice public speaking, engaging in the critical and constructive exchange of ideas through oral presentations, class discussions, panel discussions, as well as informal and/or informal debates. This course culminates in the completion of the IB Language & Literature assessment in May of the student’s 12th grade year.
Advanced Grade Points: Yes

ENGLISH 4

KISD #: 0141
Grades: 12 1.0 Credit
Prerequisite: None

English IV further expands and refines language arts concepts and skills studied in English 3. Additionally, this course focuses on the following: using each of the commonly recognized patterns of organization; achieving precision in meaning through sophisticated language and rhetorical choices; analysis of ideas and logic in written discourse; use of sophisticated and precise word choices; origin and development of the English language; recognition of major authors, periods, forms, and works in British literature; recognition of recurring themes in literary selections; recognition of the devices of propaganda; analysis of the presentation of ideas in written discourse, including forms of logical reasoning, common fallacies of reasoning, and techniques of persuasive language; and, the development of generalizations formulated from a given series of assumptions. Through integrated units of study, the curriculum promotes awareness/understanding of abstract concepts and practical application of fundamental skills.

ENGLISH 4 Sheltered Instruction

KISD #: 0842
Grades: 12 1.0 Credit
Prerequisite: Counselor Approval

English 4 Sheltered is designed to support emergent bilingual students. This course will cover the essential elements of English 4 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. English III further expands and refines language arts concepts and skills introduced in English 4. In addition, this course focuses on the following: selection of rhetorical choices based on audience, purpose, and form; writing longer compositions incorporating outside information with documentation; writing a variety of forms of informative and persuasive discourse; writing at least one form of literary discourse; knowledge of history and major features of American dialects; recognition of sociological functions of language; analysis of word analogies and other forms of advanced vocabulary development; recognition of major American authors, literary periods, works, and literary forms; recognition of the characteristics of literary selections; use of reading concepts and skills to enhance the development of the thinking/reasoning processes; and, use of specialized reference sources. Through integrated units of study, the curriculum provides extensive experience in rhetorical writing activities in the study of literature and in the development of critical thinking.

ADVANCED PLACEMENT® ENGLISH LITERATURE AND COMPOSITION

KISD #: 0145
Grades: 12 1.0 Credit
Prerequisite: None

The AP® English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work’s structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. **Students enrolled in this course must take the AP® exam to earn college credit.**
Advanced Grade Points: Yes

ENGLISH 4 DUAL CREDIT

KISD #: 0141DC
Grades: 12 1.0 Credit
Prerequisite: Meet district & Lone Star College guidelines

A survey of development of British literature from the Anglo-Saxon period to the 18th Century and from the Romantic period to present. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. **Students must earn a minimal score on the TSIA exam prior to enrollment in the course.**
Advanced Grade Points: Yes
Dual Credit Correlation: ENGL 2322 and 2323

TRANSITION TO COLLEGE ENGLISH

KISD #: 0501
Grades: 12 1.0 Credit
Prerequisite: Meets district guidelines

The focus of the course will be on applying critical reading skills for organizing, analyzing, and retaining material and developing written work appropriate to the audience, purpose, and length of the assignment. This course is designed to prepare students for college level reading and writing courses. The course integrates preparation in basic academic reading skills with basic skills in writing a variety of academic essays. Students will learn to (1) write logical and effective essays; (2) utilize textual support to develop reading comprehension strategies; and (3) analyze, synthesize and make value judgments using critical thinking.

Independent Study in English Klein Prep (KP) or Gifted and Talented

KISD #: 0148, 0149
Grades: 10-12 1.0 Credit
Prerequisite: None

Independent Study in English is designed for high-achieving students who wish to pursue Independent Study in English is designed for high-achieving students who wish to pursue independent study in an English-related area or field of interest. The curriculum includes various activities designed by both the student and the instructor. Focus is on independent research based on individual student interests, the production of original work in print or in another medium, the development of an advanced skill, and the independent study of a specific area of interest with the help of a mentor employed in that field. Potential students must submit a plan of study that is subject to approval by the English department chairperson. Students are assigned to a class period each day conducted by the consulting teacher who will monitor the progress of the project, prepare progress reports and complete critical evaluations.
Advanced Grade Points: Yes

BIBLE LITERACY

KISD #: 0155
Grades: 9-12 .5 Credit
Prerequisite: None

Bible Literacy is designed for students who wish to explore and learn about the Hebrew Scriptures (Old Testament) and the New Testament and their impact. The curriculum focuses on the knowledge of biblical content, characters, poetry, and narratives that lead to understanding of contemporary society and culture. The students will become familiar with the contents of the history of the literary style and structure and the influence of the Hebrew Scriptures and New Testament on law, history, government, literature, art, music, customs, morals, values, and culture. This course will require in depth reading, research, analysis with reflective writing and problem solving. A research project will be required. *To be offered, this course requires that at least 15 students request it. Credit will be regarded as an elective credit*

English Language Development and Acquisition I (ELDA 1)

KISD#: 0850

Grades: 9-12

1.0 Credit (Local Credit)

Prerequisite:

Counselor Approval

This local credit elective course is designed for newcomer students in their first three years in U.S. schools. This course enables the student to become increasingly proficient in English in all four language domains. These students have scored limited beginning language level on the state-approved English oral language proficiency tests. This must be taken concurrently with a corequisite language arts course such as ESOL 1 or ESOL 2.

English Language Development and Acquisition 2 (ELDA 2)

KISD#: 0851

Grades: 9-12

1.0 Credit (Local Credit)

Prerequisite:

ELDA 1 and Counselor Approval

This local credit elective course is designed for newcomer students in their first three years in U.S. schools. This course enables the student to become increasingly proficient in English in all four language domains. These students have scored beginning language level on the state-approved English oral language proficiency tests. This must be taken concurrently with a corequisite language arts course such as ESOL 1 or ESOL 2. ELDA 1 is a prerequisite for this course.

READING 1

KISD #: 0197, 0198, 0197D (dyslexia), 0198D (dyslexia)

Grades: 9-12

.5 to 1.0 Credit

Prerequisite:

Counselor Approval

Reading 1 is designed for students reading one to two years below their assigned grade level, who have been identified with dyslexia and require dyslexia intervention services and/or students who have failed the state assessment reading test. Individual diagnosis of student need determines the appropriate course of study. General areas of the instruction include the following: word attack skills, including structural analysis and contextual clues. vocabulary development, including the use of advanced and specialized dictionaries; general developmental comprehension skills; and, reading skills, including fluency and comprehension, applied to a variety of practical situations that are cross-curricular. Emphasis is on recognition and development of individual learning style and overall improvement of reading skills to ensure that high school students have an opportunity to read with competence, confidence, and understanding. A maximum of three credits in Reading 1, 2, or 3, and/or Reading Elective may count toward graduation. **Note: THIS COURSE IS REQUIRED FOR THOSE WHO DID NOT MEET THE STANDARD ON THE EIGHTH OR NINTH GRADE STATE ASSESSMENT READING TEST.**

READING 2

KISD #: 0201, 0201D (dyslexia)

Grades: 9-12

.5 to 1.0 Credit

Prerequisite:

Counselor Approval

Reading 2 is designed for students who have taken Reading 1 and could benefit from reinforcement of fluency word attack skills, vocabulary development, comprehension skills, and reading skills applied to a variety of practical situations. This course is also designed for students who have been identified with dyslexia and required dyslexia intervention services. Emphasis is on recognition and development to individual learning style and overall improvement of reading skills. A maximum of three credits in Reading 1, 2, or 3, and/or Reading Elective may count toward graduation.

READING 3

KISD #: 0205

Grades: 9-12

.5 to 1.0 Credit

Prerequisite:

Counselor Approval

Reading 3 is designed for students who have taken two years of reading and could benefit from a third year of reading to reach English proficiency. Skills addressed in Reading 1 and Reading 2 will be reinforced. A maximum of three credits in Reading 1, 2, or 3, and/or Reading Elective may count toward graduation.

READING ELECTIVE

KISD #: 0204

Grades: 9-12

.5 to 1.0 Credit

Prerequisite:

Counselor Approval

The reading elective course is designed to assist and instruct the non-proficient reader who has had difficulty in learning to read. In addition, the course is designed to provide appropriate instructional strategies for students who have been identified as dyslexic or are at risk for dyslexia. Though this course is structured to include the Texas Essential Knowledge and Skills, the primary emphasis is on the following: use of a variety of word recognition strategies; vocabulary development through reading and systematic word study; reading with fluency and understanding in increasingly demanding texts; and comprehension strategies and skills to gain meaning from whatever is read.

READING 1 SHELTERED INSTRUCTION

KISD #: 0198

Grades: 9-12

.5 to 1.0 Credit

Prerequisite:

Counselor Approval

Reading 1 Sheltered offers students reading instruction to successfully navigate academic demands as well as attain life-long literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas. This course could be taken concurrently with ESOL 1 or English 1 Sheltered.

READING 2 SHELTERED INSTRUCTION

KISD #: 0298

Grades: 9-12

.5 to 1.0 Credit

Prerequisite:

Counselor Approval

Reading 2 Sheltered offers students reading instruction to successfully navigate academic demands as well as attain lifelong literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency, providing students an opportunity to read with competence, confidence, and understanding. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas. This course could be taken concurrently with ESOL 2 or English 2 Sheltered.

CREATIVE AND IMAGINATIVE WRITING

KISD #: 0146

Grades: 11-12

1.0 Credit

Prerequisite:

STAAR Commended Performance

Advanced Grade Points: YES

Creative/Imaginative Writing is designed for students who enjoy writing and are interested in producing original work. The course focuses on the principles of creative writing and producing original work with emphasis on stylistic techniques such as the use of figurative language and other literary devices and various organizational models used for the development of text structure. Emphasis is placed on the production of original works that afford the student the opportunity to develop an individual style of writing. Procedures for submitting original works for publication are included in this course.

PRACTICAL WRITING SKILLS

KISD #: 0170, 0172

Grades: 11-12

.5 -1.0 Credit

Prerequisite:

Counselor Approval

Practical Writing Skills is designed for the student who has demonstrated a need for more intensive, targeted instruction in writing. The course includes instruction in techniques of effective writing for both practical and test situations, including STAAR. Each student's writing will be evaluated, and emphasis will then be placed on the interventions that are necessary in

in order for the student to succeed when writing is a requirement. This course will include activities that will enable the student to learn to write effectively when required to complete applications, orders, memos, notes, and the like. The final assessment of the course will include a post-test that will provide data regarding student progress regarding effective writing skills. THIS COURSE IS REQUIRED FOR THOSE STUDENTS WHO DID NOT MEET THE STANDARDS ON THE WRITING COMPONENT OF THE STATE ASSESSMENT.

PRACTICAL WRITING SKILLS SHELTERED INSTRUCTION

KISD #: 0172S

Grades: 11-12

.5 -1.0 Credit

Prerequisite:

Counselor Approval

Practical Writing Skills Sheltered Instruction is designed to support emergent bilingual students who have demonstrated a need for more intensive, targeted instruction in writing. The course includes instruction in techniques of effective writing for both practical and test situations, including STAAR. Each student's writing will be evaluated, and emphasis will then be placed on the interventions that are necessary in order for the student to succeed when writing is a requirement. This course will include activities that will enable the student to learn to write effectively when required to complete applications, orders, memos, notes, and the like. The final assessment of the course will include a post-test that will provide data regarding student progress regarding effective writing skills. This course will have an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content for emergent bilingual students.

ORAL INTERPRETATION 3

KISD #: 0162

Grades: 11-12

1 Credit

Prerequisite: Oral Interpretation 2

Oral Interpretation 3 further expands and refines the course objectives introduced in Oral Interpretation 1 and 2. This course is specifically designed for the highly motivated, advanced oral interpretation student who wishes to perfect performance skills through participation in top-level competitive speech tournament events. Additionally, the course curriculum includes a general survey of and comparison between high school and college competitive speech events and professional presentations. The course emphasizes the application of verbal and nonverbal skills and critical-thinking and problem-solving processes.

DEBATE 1

KISD #: 0163

Grades: 9-12

1 Credit

Prerequisite: Public Speaking 1, Public Speaking 2, or Communication Applications and Sponsor Approval

Debate 1 is designed for the student who wishes to explore and learn the fundamental concepts and skills of debate. The curriculum focuses on the following general elements of debate: formats and forums for debate; processes of logic and critical thinking; reading and researching information from diverse sources and materials; development of single-issue briefs; exploration of resolutions through definition, potential issues, use of "should," and unique requirements of value and fact topics; affirmative and negative case construction; process of cross-examination as witness, questioner, or auditor; oral, aural, and written evaluation of arguments; and, the presentation of debate through reading, writing, listening, speaking, and analyzing competitive tournament debating.

DEBATE 2

KISD #: 0164

Grades: 9-12

1 Credit

Prerequisite: Debate and Sponsor Approval

Debate 2 further expands and refines the course objectives outlined in the introductory Debate 1 course. This course is designed for the student who wishes to participate in practical applications of debate skills through competitive debate events.

DEBATE 3

KISD #: 0165

Grades: 11-12

1 Credit

Prerequisite: Debate 2

Debate 3 further expands and refines the course objectives outlined in the Debate 1 and 2 curricula. This course is specifically designed for the highly motivated, advanced debater who wishes to perfect debate skills through participation in top-level competitive debate events. Additionally, the course curriculum includes a general survey of and comparison between high school and college debate techniques.

JOURNALISM 1

KISD #: 0150

Grades: 9-12

1 Credit

Prerequisite: Mastery of State Writing Assessment

Journalism 1 opens the doors to the field of professional journalism by introducing students to interviewing and the reporting style of writing seen online, on TV, and in magazines and newspapers. Students will also learn about trends in graphics, design, advertising and career opportunities. This class also provides the opportunity for students to advance to serve on the yearbook or newspaper staff. This course is also listed in the CTE/Technology Applications pages of the course guide.

PHOTOJOURNALISM

KISD #: 0158

Grades: 9-11

0.5 Credit

Prerequisite: Sponsor Approval

Photojournalism combines the art of photography with the story-telling function of journalism. Students will learn basic camera skills and use composition techniques and settings to improve their photography. Students will learn to enhance their photos using industry standard software. **Students are required to provide their own non-automatic, DSLR camera.** This course is also listed in the CTE/Technology Applications pages of the course guide.

ADVANCED JOURNALISM: YEARBOOK 1

KISD #: 0191

Grades: 9-12

1 Credit

Prerequisite: Journalism 1 or Photojournalism and/or Sponsor Approval

In Advanced Journalism: Yearbook 1, students will work as a team to create a yearbook. Students will develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. **As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

ADVANCED JOURNALISM: YEARBOOK 2

KISD #: 0192

Grades: 10-12

1 Credit

Prerequisite: Advanced Journalism: Yearbook 1 and Sponsor Approval

In Advanced Journalism: Yearbook 2, students will work as a team to create a yearbook. Students will further develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students are expected to increase involvement and responsibility on staff. **As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

ADVANCED JOURNALISM: YEARBOOK 3

KISD #: 0193

Grades: 11-12

1 Credit

Prerequisite: Advanced Journalism: Yearbook 2 and Sponsor Approval

In Advanced Journalism: Yearbook 3, students will work as a team to create a yearbook. Students will refine real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students will lead the staff as editors, section editors or senior staff members. **As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

Advanced Grade Points: Yes

ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 1

KISD #: 0194

Grades: 9-12

1 Credit

Prerequisite: Journalism 1 or Photojournalism, and/or Sponsor Approval

In Advanced Journalism: Newspaper Production 1, students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. **As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 2

KISD #: 0195

Grades: 10-12

1 Credit

Prerequisite: Advanced Journalism Newspaper Production 1 and Sponsor Approval

In Advanced Journalism: Newspaper Production 2, students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will further develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. **As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 3

KISD #: 0196
Grades: 11-12 1 Credit
Prerequisite: Advanced Journalism Newspaper Production 2 and Sponsor Approval

In Advanced Journalism: Newspaper Production 3, students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will refine real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students will lead the staff as editors, section editors or senior staff members. **As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

Advanced Grade Points: Yes

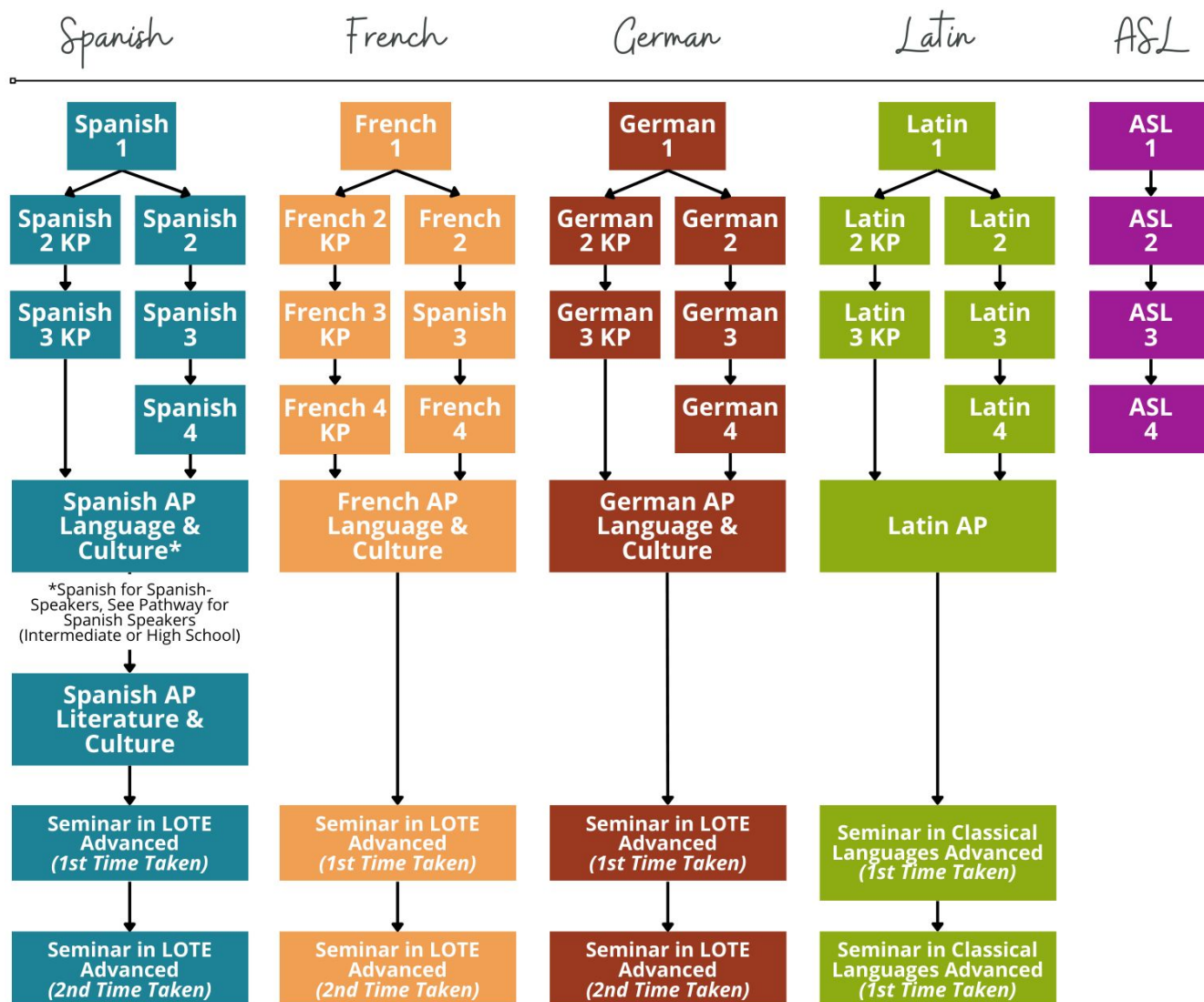
INDEPENDENT STUDY OF JOURNALISM

KISD #: 0156, 0157, 0159
Grades: 11-12 1 Credit
Prerequisite: Sponsor Approval and completion of Advanced Journalism

Independent Study/Journalism is for editors of the yearbook or newspaper. Students work collaboratively to plan deadlines, layout and content ideas for their designated publication. This course is also listed in the CTE/Technology Applications pages of the course guide.

- Table of Contents
- Graduation Plan
- Special Programs
- Core Courses
- STEM
- Business & Industry
- Public Service
- Arts & Humanities
- Multi-Disciplinary
- Advanced Academics
- Accelerated Pathways
- Course Fees
- Index

Languages Other Than English



Students should take **two levels of the same foreign language** to meet the requirements for the Foundation High School Program.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



AMERICAN SIGN LANGUAGE (ASL) I

KISD #: 2641
Grades: 9-12 1 Credit
Prerequisite: None

This course introduces the fundamental elements of American Sign Language within a cultural context. Emphasis is placed on the development of basic expressive and receptive skills. Upon completion, students will be able to comprehend and respond with grammatical accuracy to expressive American Sign Language and demonstrate cultural awareness.

AMERICAN SIGN LANGUAGE (ASL) II

KISD #: 2642
Grades: 9-12 1 Credit
Prerequisite: ASL 1

This course is a continuation of ASL 1 focusing on the fundamental elements of American Sign Language in a cultural context. Emphasis is placed on the progressive development of expressive and receptive skills. Upon completion, the students should be able to comprehend and respond with increasing accuracy to expressive American Sign Language and demonstrate cultural awareness.

AMERICAN SIGN LANGUAGE (ASL) III

KISD #: 2643
Grades: 9-12 1 Credit
Prerequisite: ASL 2

This course is the third year of the Sign Language sequence. In this course, the student will continue to develop proficiency in communicating by learning vocabulary, syntax and grammar. In addition to understanding the deaf culture, students will learn how to interact competently and comfortably with hearing-impaired individuals.

MODERN LANGUAGES AND CHINESE: CHINESE, FRENCH, GERMAN AND SPANISH

Level I

Grades: 9-12 1 Credit
Prerequisite: None

The goal of the study of beginning levels in modern languages is communicative competence. This course will introduce students to the language and will develop novice-level proficiency in speaking, listening, reading, and writing. At the end of this course, students will be expected to reach a Novice mid-Novice high proficiency level and will be able to engage in simple conversations within the limits of practiced vocabulary and structure. Students will also gain perspective and insight into the cultures of the countries where the language is spoken. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

Level II

Grades: 9-12 1 Credit
Prerequisite: Level 1 or placement test

Level II provides opportunities to further develop proficiency in speaking, listening, reading, and writing. Emphasis is placed on expanding accuracy in vocabulary and structures and on broadening knowledge of cultural understanding. At the end of the course, it is expected that students will reach a Novice-high to Intermediate-low proficiency level.

Level III

Grades: 9-12 1 Credit
Prerequisite: Level 2 or placement test

Level III courses will provide opportunities to develop intermediate language proficiency in listening, speaking, reading, and writing. By the end of the course, students will have adequate control of basic structural patterns and will be able to express themselves adequately. Students will also have a stronger understanding of the language and its cultural perspectives. Students will be expected to reach an Intermediate-low to Intermediate-mid proficiency level.

Level IV

Grades: 9-12 1 Credit
Prerequisite: Level 3 or placement test

Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High, as defined in the ACTFL Proficiency Guidelines 2012 and the ACTFL Performance Descriptors for Language Learners. Which means, students at the Intermediate Mid proficiency level express meaning in straightforward and personal contexts by easily combining and recombining what they know, what they read, and what they hear in short statements and a mixture of sentences and strings of sentences. Intermediate Mid students are able to understand some information from connected statements in oral or written sources. Intermediate Mid students are generally understood by listeners and readers accustomed to dealing with language learners. Intermediate Mid students are consistently successful when performing Intermediate-level tasks.

ADVANCED PLACEMENT® LANGUAGE LEVEL IV

Grades: 12 1 Credit
Prerequisite: Level 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in the target language. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement Language courses. Classes are conducted in the language to meet the ACTFL standards of proficiency in the language. The student is responsible for the AP examination fee.
Advanced Grade Points: Yes

Seminar in Languages Other Than English, Advanced- French, German, Spanish, Chinese
NEW

Grades: 10-12 1 Credit
Prerequisite: AP Courses

This course is designed for students who are at a minimum performance level of Intermediate Mid to Advanced High on the American Council on the Teaching of Foreign Languages (ACTFL) scale. All products and presentations must be in the target language as the course shall be conducted exclusively in the target language. The student enrolled in a seminar course in a modern language will focus on a specialized area of study such as the work of a particular author, genre, or topic. The student will speak, write, read, and listen, as appropriate, in the target language for a variety of audiences and purposes. The student is expected to plan, draft, and complete written compositions as well as oral presentations on a regular basis and carefully examine his or her papers and presentations for clarity, engaging language, and the correct use of the conventions and mechanics of the target language as applicable. The student will be required to create and present a comprehensive portfolio.

INTERMEDIATE SPANISH FOR NATIVE SPEAKERS

KISD #: 2596Y
Grades: 9-12 1 Credit
Prerequisite: Placement Test

Spanish for Spanish Speakers I is designed for the student who has an ability to understand and speak Spanish. The emphasis of the instruction will be to expand the student's existing oral proficiency through focus on grammatical concepts and to develop the skills of reading and writing in Spanish so they can communicate more successfully in social and business situations.
Advanced Grade Points: Yes

ADVANCED SPANISH FOR NATIVE SPEAKERS

KISD #: 2598 and 2592
Grades: 9-12 2 Credits
Prerequisite: Intermediate Spanish for Spanish Speakers or placement test

This course is designed for students who have successfully completed Intermediate Spanish for Spanish Speakers (or those placed by testing). The emphasis of the instruction will be to expand the students' speaking and listening skills; and will be conducted solely in Spanish. Students will also read authentic texts in Spanish and use them as the basis for literary and grammatical analysis, as well as cultural and historical studies. The emphasis will be to further the student's oral proficiency and to continue the development of skills in reading and writing using contemporary literature. Semester 2 is designed for students with a high level of proficiency in the language. *Students must pass the first semester with a 70+ to be eligible for the second semester in the spring. Successful completion of both semesters will prepare students to take the Spanish IV AP course the following year.*
Advanced Grade Points: Yes

SPANISH 1

KISD #: 2601
Grades: 9-12 1 Credit
Prerequisite: None

Spanish 1 is an introduction to the Spanish-speaking world, its language, and its people. The main emphasis is on early oral communication skills while developing reading and writing skills. Grammar skills are introduced holistically through both oral and written expression. The student will develop an understanding of Spanish culture.

SPANISH 1 KLEIN PREP (KP)

KISD #: 2601Q
Grades: 9-12 1 Credit
Prerequisite: None

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-mid to novice-high proficiency levels. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.
Advanced Grade Points: Yes

SPANISH 2

KISD #: 2602

Grades: 9-12

1 Credit

Prerequisite: Spanish 1

Spanish 2 emphasizes the further development of the four communication skills: reading, writing, speaking, and listening. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.

SPANISH 2 KLEIN PREP (KP)

KISD #: 2602Q

Grades: 9-12

1 Credit

Prerequisite: Spanish 1 KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

SPANISH 2 Pre-IP (Klein Oak HS Only)

KISD #: 3490

Grades: 9-10

1 Credit

Prerequisite: Spanish 1

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the novice-high to intermediate-low proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

SPANISH 3

KISD #: 2603

Grades: 9-12

1 Credit

Prerequisite: Spanish 2

Level III Spanish classes are conducted in the language and provide opportunities to develop intermediate language proficiency in speaking, listening, reading and writing; so as to meet the ACTFL standards of proficiency in the language.

SPANISH 3 KLEIN PREP (KP)

KISD #: 2604Q

Grades: 9-12

1 Credit

Prerequisite: Spanish 2 KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract; and provides opportunities for students to acquire intermediate-mid to intermediate-high proficiency skills in speaking, reading, writing, and listening in the Spanish language. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

SPANISH 3 Pre-IP (Klein Oak HS Only)

KISD #: 3492

Grades: 9-11

1 Credit

Prerequisite: Spanish 1 and 2 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the intermediate-mid to intermediate-high proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

SPANISH 4 Pre-IP (Klein Oak HS Only)

KISD #: 3492

Grades: 9-11

1 Credit

Prerequisite: Spanish 1, 2, & 3 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the intermediate-high to advanced-low proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

- Table of Contents
- Graduation Plan
- Special Programs
- Core Courses
- STEM
- Business & Industry
- Public Service
- Arts & Humanities
- Multi-Disciplinary
- Advanced Academics
- Accelerated Pathways
- Course Fees
- Index

ADVANCED PLACEMENT® SPANISH LANGUAGE

KISD #: 2609
Grades: 9-12 1 Credit
Prerequisite: Spanish 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Spanish and is for highly qualified students who excel in language study and are interested in accepting the challenges of a more rigorous instructional program. The Advanced Placement (AP) Spanish-Language course covers the equivalent of a third-year college course in advanced Spanish composition and conversation with emphasis on the development of advanced proficiencies. The course emphasizes language skills, composition, and grammar with emphasis on active communication with the following objectives: (1) the ability to comprehend formal and informal spoken Spanish; (2) the acquisition of vocabulary to allow reading of newspapers and magazines, and modern Spanish literature; (3) the ability to write well-organized essays; and, (4) the ability to express ideas orally with accuracy and fluency. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement Spanish Language and Culture course. The Advanced Placement (AP) program is a co-operative effort with The College Board. The student will be prepared to take an examination upon which successful completion will enable participating colleges to grant credit and appropriate placement. The student is responsible for the examination fee.

Advanced Grade Points: Yes

ADVANCED PLACEMENT® SPANISH LITERATURE

KISD #: 2600
Grades: 9-12 1 Credit
Prerequisite: AP Spanish Language or placement test

The AP® Spanish Literature course is designed to provide students with a learning experience equivalent to that of an introductory college course. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Spanish. Classes are conducted solely in the language to meet the ACTFL standards of proficiency in the language. The student is responsible for the AP examination fee.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® SPANISH Standard Level (Klein Oak HS Only)

KISD #: 3450 (accelerated course) or 3450SL1 & 3450SL2
Grades: 11-12 1 Credit per year of study
Prerequisite: Pre-IP Spanish 3, Pre-IP Spanish 4 Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Spanish. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB Spanish SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® SPANISH Higher Level (Klein Oak HS Only)

KISD #: 3451HL1 & 3451HL2
Grades: 11-12 1 Credit per year of study
Prerequisite: Pre-IP Spanish 4

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in Spanish. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB Spanish HL exam in May; exam fees apply.

Advanced Grade Points: Yes

CLASSICAL LANGUAGES: LATIN

LATIN 1
KISD #: 2631
Grades: 9-12 1 Credit
Prerequisite: None

This course serves as an introduction to the study of Latin as a classical language. Basic listening, speaking, reading, and writing skills are developed progressing toward a novice-mid level proficiency. Communication skills are the primary focus of language acquisition. At the end of Level I, students will be able to express themselves and engage in simple conversations in Latin within the limits of their knowledge of vocabulary and structure.

LATIN 1 KLEIN PREP (KP)

KISD #: 2631Q
Grades: 10-12 **1 Credit**
Prerequisite: Latin 1

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.
Advanced Grade Points: Yes

LATIN 2

KISD #: 2632
Grades: 10-12 **1 Credit**
Prerequisite: None

This novice-mid to novice-high proficiency level course is a continuation of the novice-mid proficiency established in Latin 1. As the course continues, new grammar and structural concepts are included with an increased emphasis on reading, writing, speaking and listening and the culture of the Roman Empire.

LATIN 2 KLEIN PREP (KP)

KISD #: 2632Q
Grades: 10-12 **1 Credit**
Prerequisite: Latin 1

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.
Advanced Grade Points: Yes

LATIN 3

KISD #: 2633
Grades: 11-12 **1 Credit**
Prerequisite: Latin 2

This course emphasizes intermediate-low to intermediate-mid proficiency development. The student will study the writings of Cicero, Pliny, and Livy, and will be able to write simple, directed compositions.

LATIN 3 KLEIN PREP (KP)

KISD #: 2634Q
Grades: 11-12 **1 Credit**
Prerequisite: Latin 2 and KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract; and will provide opportunities for students to acquire intermediate-mid to intermediate-high proficiency in Latin. Readings will consist of works such as Cicero and Ovid.
Advanced Grade Points: Yes

LATIN 4

KISD #:
Grades: 11-12 **1 Credit**
Prerequisite: Latin 3

This course will give students an additional year to build proficiency in the language before moving on to the AP course. Emphasis will be placed on listening, speaking, reading, and writing.

ADVANCED PLACEMENT® LATIN

KISD #: 2637
Grades: 11-12 **1 Credit**
Prerequisite: Latin 3 or placement test

Since the appreciation of Latin literature requires an understanding of the literary techniques of Latin writers and of poetic meters when appropriate, stylistic analysis is an integral part of the advanced work of the course. The AP Latin course includes the study of the cultural, social, and political context of literature. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language. The student is responsible for the AP examination fee.
Advanced Grade Points: Yes

Seminar in Classical Languages, Advanced –Latin

KISD #: 2690
Grades: 10-12 1 Credit
Prerequisite: AP Courses

(This course may be taken with different course content for a maximum of three credits).
Students will study topics assigned by the teacher for research and presentation. A prerequisite to enroll into this course is a minimum proficiency level of Advanced Mid in reading and a minimum performance level of Novice High in listening, speaking, and writing on the American Council on the Teaching of Foreign Languages (ACTFL) scale. Fluency in Latin should reflect a minimum proficiency level of Novice High in the speaking, listening, and writing skills. The student will be required to create and present a comprehensive portfolio.

MANDARIN CHINESE 1

2651
Grades: 9-12 1 Credit
Prerequisite: None

This course is the third year of the Sign Language sequence. In this course, the student will continue to develop proficiency in communicating by learning vocabulary, syntax and grammar. In addition to understanding the deaf culture, students will learn how to interact competently and comfortably with hearing-impaired individuals.

MANDARIN CHINESE KLEIN PREP (KP) 2

2652Q
Grades: 9-12 1 Credit
Prerequisite: Mandarin Chinese 1

This course is the third year of the Sign Language sequence. In this course, the student will continue to develop proficiency in communicating by learning vocabulary, syntax and grammar. In addition to understanding the deaf culture, students will learn how to interact competently and comfortably with hearing-impaired individuals.

Advanced Grade Points: Yes

MANDARIN CHINESE KLEIN PREP (KP) 3

NEW
Grades: 9-12 1 Credit
Prerequisite: Mandarin Chinese 2 or Placement Test

This course is designed for students preparing for the AP tract. Students will complete the study of the basic structure of the language while deepening their communication skills and will be taught exclusively in Chinese.

Advanced Grade Points: Yes

ADVANCED PLACEMENT® MANDARIN CHINESE

NEW
Grades: 12 1 Credit
Prerequisite: Mandarin Chinese 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Chinese. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement Chinese-Language course. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language. The student is responsible for the AP examination fee.

Advanced Grade Points: Yes

FRENCH 1

KISD #: 2611
Grades: 9-12 1 Credit
Prerequisite: None

French 1 is an introduction to the French-speaking world, its language, and its people. The main emphasis is on early oral communication skills while developing reading and writing skills. Grammar skills are introduced holistically through both oral and written expression. The student will develop an understanding of the culture of the French-speaking world.

FRENCH 1 KLEIN PREP (KP)

KISD #: 2611Q
Grades: 9-12 1 Credit
Prerequisite: None

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-mid to novice-high proficiency levels. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

Table of Contents
Graduation Plan
Special Programs
Core Courses
STEM
Business & Industry
Public Service
Arts & Humanities
Multi-Disciplinary
Advanced Academics
Accelerated Pathways
Course Fees
Index

FRENCH 2

KISD #: 2612
Grades: 9-12 **1 Credit**
Prerequisite: **French 1**

French 2 emphasizes the further development of the four communication skills: reading, writing, speaking, and listening. Students will study the culture not only of France, but also, the French-speaking world. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

FRENCH 2 KLEIN PREP (KP)

KISD #: 2612Q
Grades: 9-12 **1 Credit**
Prerequisite: **French 1**

This course is designed for students preparing for the AP tract. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.
Advanced Grade Points: Yes

FRENCH 2 Pre-IP (Klein Oak HS Only)

KISD #: 3482
Grades: 9-10 **1 Credit**
Prerequisite: **French 1**

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the novice-high to intermediate-low proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.
Advanced Grade Points: Yes

FRENCH 3

KISD #: 2613
Grades: 9-12 **1 Credit**
Prerequisite: **French 2**

French 3 emphasizes speaking and listening skills. By the end of the year, students will have a general knowledge of the basic structure of the language and will be able to converse on a variety of topics. Cultural topics will include contemporary issues in French-speaking countries as well as real-life situations students might encounter while visiting a French-speaking country.
Advanced Grade Points: Yes

FRENCH 3 KLEIN PREP (KP)

KISD #: 2614Q
Grades: 9-12 **1 Credit**
Prerequisite: **French 2 KLEIN PREP Guidelines**

This course is designed for students preparing for the AP tract. Students will complete the study of the basic structure of the language while deepening their communication skills and will be taught exclusively in French.
Advanced Grade Points: Yes

FRENCH 3 Pre-IP (Klein Oak HS Only)

KISD #: 3484
Grades: 9-11 **1 Credit**
Prerequisite: **French 1, French 2 Pre-IP**

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the intermediate-mid to intermediate-high proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.
Advanced Grade Points: Yes

FRENCH 4 KLEIN PREP (KP)

KISD #: 2616PA
Grades: 9-12 **1 Credit**
Prerequisite: **French 3 KLEIN PREP Guidelines**

This course is designed for students preparing for the AP tract. The goal is to create reasonable fluency in the four communication areas: reading, writing, listening, and speaking. This course is designed to prepare students for the College Board Advanced Placement French Language and Culture examination.
Advanced Grade Points: Yes

Languages Other Than English

FRENCH 4 Pre-IP (Klein Oak HS Only)

KISD #: 3486

Grades: 10-11

1 Credit

Prerequisite: French 1-2, French 3 (Pre-IP/KP strongly recommended)

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the intermediate-high to advanced low proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

ADVANCED PLACEMENT® FRENCH LANGUAGE

KISD #: 2620

Grades: 9-12

1 Credit

Prerequisite: French 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in French. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement French-Language course. The student will prepare to take the French AP exam, and is responsible for the AP examination fee.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® FRENCH Standard Level (Klein Oak HS Only)

KISD #: 3440 (accelerated course) or 3440SL1 & 3440SL2

Grades: 11-12

1 Credit per year of study

Prerequisite: Pre-IP French 3, Pre-IP French 4 Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in French. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB French SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® FRENCH Higher Level (Klein Oak HS Only)

KISD #: 3451HL1 & 3451HL2

Grades: 11-12

1 Credit per year of study

Prerequisite: Pre-IP French 4

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in French. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB French HL exam in May; exam fees apply.

Advanced Grade Points: Yes

GERMAN 1

KISD #: 2621

Grades: 9-12

1 Credit

Prerequisite: None

German 1 is an introduction to the German-speaking world, its language, culture, and its people. The main emphasis is on early oral communication skills while developing reading and writing skills. Grammar skills are introduced through both oral and written expression. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

GERMAN 1 KLEIN PREP (KP)

KISD #: 2621Q

Grades: 9-12

1 Credit

Prerequisite: None

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-mid to novice-high proficiency levels. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



GERMAN 2

KISD #: 2622
Grades: 9-12 1 Credit
Prerequisite: German 1

German 2 emphasizes the further development of the four communication skills: reading, writing, speaking, and listening. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

GERMAN 2 KLEIN PREP (KP)

KISD #: 2622Q
Grades: 9-12 1 Credit
Prerequisite: German 1

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language. *German 2 Pre-IP is not available at this time. It is recommended that students wishing to pursue International Baccalaureate® German enroll in this course.

Advanced Grade Points: Yes

GERMAN 3

KISD #: 2623
Grades: 9-12 1 Credit
Prerequisite: German 2

German 3 classes are conducted in the language and provide opportunities to develop intermediate language proficiency in speaking, listening, reading and writing; so as to meet the ACTFL standards of proficiency in the language.

GERMAN 3 KLEIN PREP (KP)

KISD #: 2624Q
Grades: 9-12 1 Credit
Prerequisite: German 2 and KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract; and provides opportunities for students to acquire intermediate-mid to intermediate-high proficiency skills in speaking, reading, writing, and listening in the German language. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language. *German 3 Pre-IP is not available at this time. It is recommended that students wishing to pursue International Baccalaureate® German enroll in this course.

Advanced Grade Points: Yes

ADVANCED PLACEMENT® GERMAN LANGUAGE

KISD #: 2627
Grades: 12 1 Credit
Prerequisite: German 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in German. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement German-Language course. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language. The student is responsible for the AP examination fee.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® GERMAN Standard Level (Klein Oak HS Only)

KISD #: 3455 (accelerated course) or 3455SL1 & 3455SL2
Grades: 11-12 1 Credit per year of study
Prerequisite: German 1-2, German 3 KP Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year(students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in German. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB German SL exam in May; exam fees apply.

Advanced Grade Points: Yes

Languages Other Than English

INTERNATIONAL BACCALAUREATE® GERMAN Higher Level (Klein Oak HS Only)

KISD #: 3456HL1 & 3456HL2

Grades: 11-12 1 Credit per year of study

Prerequisite: German 1-2, German 3 KP Required

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in German. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB German HL exam in May; exam fees apply.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Mathematics

[Table of Contents](#)[Graduation Plan](#)[Special Programs](#)[Core Courses](#)[STEM](#)[Business & Industry](#)[Public Service](#)[Arts & Humanities](#)[Multi-Disciplinary](#)[Advanced Academics](#)[Accelerated Pathways](#)[Course Fees](#)[Index](#)

Strategic Learning for High School Mathematics

KISD #: 9923

Grades: 9

1 Credit (elective)

Prerequisite: 8TH Grade Mathematics

This course is intended to develop strategic mathematical learning strategies for under-prepared mathematics students. The basic strategies will stimulate students to think about their approach to mathematical learning. These basic strategies will include identifying errors in the teaching and learning process, input errors, physiological concerns, and key cognitive skills. The essential knowledge and skills will foster a deeper understanding of the task of learning mathematical concepts. This course is designed to fill gaps in prior learning and support students in improving their study skills. This course is designed for ninth grade students who have a history of struggling in mathematics and/or did not make satisfactory performance on state assessments and will provide a path toward future success.

ALGEBRA 1

KISD #: 0330

Grades: 9

1 Credit

Prerequisite: 8TH Grade Mathematics

This course serves as the foundation to all upper level mathematics courses and is a requirement for graduation.

Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Students will take the Alg 1 EOC

ALGEBRA 1 Sheltered Instruction

KISD #: 0330S

Grades: 9

1 Credit

Prerequisite: 8TH Grade Mathematics

Counselor Approval

This course will cover the essential elements of Algebra 1 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This course is designated to meet the needs of state category 1 and 2 emergent bilingual students who have been enrolled in U.S. schools 3 years or less. This course serves as the foundation to all upper level mathematics courses and is a requirement for graduation.

Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Students will take the Alg 1 EOC

ALGEBRA 1 KLEIN PREP (KP)

KISD #: 0330Q

Advanced Grade Points: yes

Grades: 9

1 Credit

Prerequisite: 8TH Grade Mathematics

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Algebra 1 concepts with extensions. A strong emphasis will be placed on critical thinking and problem-solving skills. The level of instruction and curriculum is intended for preparing students for Advanced Placement/Dual Credit mathematics courses.

This course serves as the foundation to all upper level mathematics courses and is a requirement for graduation.

Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. **Students will take the Alg 1 EOC**



Table of Contents
Graduation Plan
Special Programs
Core Courses
STEM
Business & Industry
Public Service
Arts & Humanities
Multi-Disciplinary
Advanced Academics
Accelerated Pathways
Course Fees
Index

ALGEBRA 1 KLEIN PREP (KP)/GT

KISD #: 0337 Advanced Grade Points: yes
Grades: 9 1 Credit
Prerequisite: 8TH Grade Mathematics and Meets District GT Guidelines

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Algebra 1 concepts with extensions. A strong emphasis will be placed on critical thinking and problem-solving skills. The level of instruction and curriculum is intended for preparing gifted students for advanced placement mathematics courses. This course may require independent and guided research. GT services are provided through the KLEIN PREP classes.

This course serves as the foundation to all upper level mathematics courses and is a requirement for graduation.
Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.
Students will take the Alg 1 EOC

ALGEBRAIC REASONING

KISD #: 0351 1 Credit
Grades: 10-11 Algebra 1
Prerequisite: Algebra 1

The focus of this course is intended on preparing students who need more time in developing algebraic concepts to be successful in subsequent math courses.
Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses.
Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data. This course will include the appropriate use of graphing technology.

ALGEBRAIC REASONING SHELTERED INSTRUCTION

KISD #: 0351S 1 Credit
Grades: 10-11 Algebra 1/Counselor Approval
Prerequisite: Algebra 1/Counselor Approval

The focus of this course is intended on preparing students who need more time in developing algebraic concepts to be successful in subsequent math courses.
Algebraic Reasoning Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Algebraic Reasoning with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.
Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, rational, cubic, cube root, exponential, absolute value, and logarithmic functions. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data. This course will include the appropriate use of graphing technology.

GEOMETRY

KISD #: 0340 1 Credit
Grades: 9-11 Algebra 1
Prerequisite: Algebra 1

This course serves as a foundational math course and is a requirement for graduation.
Students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Formal constructions using a straightedge and compass will be created to make conjectures about geometric figures. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures. Finally, students will gain exposure to fundamental topics in probability and statistics which will prepare them for success in post-secondary education.

GEOMETRY SHELTERED INSTRUCTION

KISD #: 0340S

Grades: 9-11

1 Credit

Prerequisite:

Algebra 1 and Counselor Approval

This course serves as a foundational math course and is a requirement for graduation.

Geometry Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Geometry with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

Students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Formal constructions using a straightedge and compass will be created to make conjectures about geometric figures. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures. Finally, students will gain exposure to fundamental topics in probability and statistics which will prepare them for success in post-secondary education.

GEOMETRY KLEIN PREP (KP)

KISD #: 0343Q

Advanced Grade Points: yes

Grades: 9-10

1 credit

Prerequisite:

Algebra 1 or Algebra 1 KLEIN PREP

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Geometry concepts with extensions. Students will extend their work with proofs to include additional theorems and alternate proof approaches. The level of instruction and curriculum is intended for preparing students for advanced placement mathematics courses.

This course serves as a foundational math course and is a requirement for graduation.

Students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Formal constructions using a straightedge and compass will be created to make conjectures about geometric figures. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures. Finally, students will gain exposure to fundamental topics in probability and statistics which will prepare them for success in post-secondary education.

GEOMETRY KLEIN PREP (KP)/GT

KISD #: 0347Q

Advanced Grade Points: yes

Grades: 9-12

1 Credit

Prerequisite:

Algebra 1 or Algebra 1 KP and Meets District GT Guidelines

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Algebra 1 concepts with extensions. Students will extend their work with proofs to include additional theorems and alternate proof approaches. The level of instruction and curriculum is intended for preparing gifted students for advanced placement mathematics courses. This course may require independent and guided research. GT services are provided through the KLEIN PREP classes. This course serves as a foundational math course and is a requirement for graduation.

Students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Formal constructions using a straightedge and compass will be created to make conjectures about geometric figures. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures. Finally, students will gain exposure to fundamental topics in probability and statistics which will prepare them for success in post-secondary education. The level of instruction/curriculum will focus on preparing the gifted student for advanced placement mathematics courses. This course may require independent and guided research. GT services are provided through the KLEIN PREP classes.

STATISTICS

KISD #: 0396

Grades: 11-12

1 Credit

Prerequisite:

Algebra 1

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.

FINANCIAL MATHEMATICS

KISD #: 919018
Grade: 10 - 12 1 Credit
Prerequisite: Algebra 1

You will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. You will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution.
Required Fee/Materials: No
Industry Certification: None

ALGEBRA 2

KISD #: 0350
Grades: 11-12 1 Credit
Prerequisite: Algebra 1 and Geometry

This course is a prerequisite for many fourth-year math courses.
Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

ALGEBRA 2 SHELTERED INSTRUCTION

KISD #: 0350S
Grades: 11-12 1 Credit
Prerequisite: Algebra 1 and Geometry/ Counselor Approval

This course is a prerequisite for many fourth-year math courses.
Algebra 2 Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Algebra 2 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.
Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

ALGEBRA 2 KLEIN PREP (KP)

KISD #: 0353Q Advanced Grade Points: yes
Grades: 9-11 1 Credit
Prerequisite: Algebra 1 or Algebra 1 KP and Geometry or Geometry KP

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Alg 2 concepts with extensions. A strong emphasis will be placed on critical thinking, problem solving skills, and a focus on functional analysis to align with the College and Career Readiness Standards. The level of instruction and curriculum is intended for preparing students for advanced placement mathematics courses.
This course is a prerequisite for many fourth-year math courses.
Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

Table of Contents
Graduation Plan
Special Programs
Core Courses
STEM
Business & Industry
Public Service
Arts & Humanities
Multi-Disciplinary
Advanced Academics
Accelerated Pathways
Course Fees
Index

ALGEBRA 2 KLEIN PREP (KP) /GT

KISD #: 0354Q Advanced Grade Points: yes
Grades: 9-11 1 Credit
Prerequisite: Algebra1/Algebra 1 KP and Geometry/Geometry KP and Meets District GT Guidelines
This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Algebra 2 concepts with extensions. A strong emphasis will be placed on critical thinking, problem solving skills, and a focus on functional analysis to align with the College and Career Readiness Standards. The level of instruction and curriculum is intended for preparing gifted students for advanced placement mathematics courses. This course may require independent and guided research. GT services are provided through the KLEIN PREP classes.
This course is a prerequisite for many fourth-year math courses.

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I
Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations.
Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

ADVANCED QUANTITATIVE REASONING

KISD #: 0391 1 Credit
Grades: 11-12
Prerequisite: Algebra 1, Geometry and Algebra 2
In Advanced Quantitative Reasoning, students will develop and apply skills necessary for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics. This course is designed to prepare students for a variety of future paths in college, including the social sciences, computers, business, and health fields.

PRE-CALCULUS Advanced

KISD #: 0360 Advanced Grade Points: yes
Grades: 10-12 1 Credit
Prerequisite: Algebra 1 or Algebra 1 KP, Geometry or Geometry KP and Algebra 2 or Algebra 2 KP
The level of instruction and curriculum is rigorous and intended for preparing students for college level mathematics coursework. Pre-calculus is the preparation for calculus.
Students will approach topics from a functional point of view, where appropriate, and are designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. Students will deepen their mathematical understanding and fluency with algebra and trigonometry and extend their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

PRE-CALCULUS KLEIN PREP (KP)

KISD #: 0363Q Advanced Grade Points: yes
Grades: 10-12 1 Credit
Prerequisite: Algebra 1 KP, Geometry or Geometry KLEIN PREP and Algebra 2 or Algebra 2 KLEIN PREP
This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Precalculus concepts with extensions. The level of instruction and curriculum is intended for preparing students for AP Calculus and college level mathematics coursework.
Pre-calculus is the preparation for calculus.
The course approaches topics from a functional point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Pre-calculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

PRE-CALCULUS KLEIN PREP (KP)/GT

KISD #: 0364Q

Advanced Grade Points: yes

Grades: 10-12

1 Credit

Prerequisite:

Algebra 1 KP, Geometry or Geometry KP and Algebra 2 or Algebra 2 KP and Meets District GT Guidelines

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Precalculus concepts with extensions. The level of instruction and curriculum is intended for preparing gifted students for AP Calculus and college level mathematics coursework.

The course approaches topics from a functional point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Pre-calculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

PRE-CALCULUS DUAL CREDIT

KISD #: 0360DC

1 Credit

Grades: 11-12

Prerequisite:

Meets district guidelines

An integrated treatment of the concepts necessary for calculus beginning with a review of algebraic and transcendental functions including trigonometric functions. Topics include binomial theorem, analytic geometry, vector algebra, polar and parametric equations, mathematical induction and sequences and series.

Advanced Grade Points: yes

Dual Credit Correlation: MATH 2412

There are currently 3 AP[®] Math course choices. The focus of these courses is preparation for successful completion of the AP exams in May as well as support for future mathematical courses in college. Students should make choices in AP coursework that will align with future college plans. Students have 2 options when selecting a Calculus class and are advised to take a Calculus course in which they will be challenged and yet will perform successfully.

ADVANCED PLACEMENT[®] CALCULUS AB

KISD #: 0365

Advanced Grade Points: yes

Grades: 11-12

1 Credit

Prerequisite:

Precalculus ADV or Precalculus KP (KLEIN PREP coursework recommended)

AP[®] Calculus AB is designed to be the equivalent of a first semester college calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. This course requires students to use definitions and theorems to build arguments and justify conclusions. **Students enrolled in this course must take the AP[®] exam to earn college credit.**

ADVANCED PLACEMENT[®] CALCULUS BC

KISD #: 0367

Advanced Grade Points: yes

Grades: 11-12

1 Credit

Prerequisite:

Precalculus ADV or Precalculus KLEIN PREP (KLEIN PREP coursework recommended)

AP[®] Calculus BC is designed to be the equivalent of a first and second semester college calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. This course requires students to use definitions and theorems to build arguments and justify conclusions. All topics in the eight units of AP Calculus AB are also included in AP Calculus BC. However, AP Calculus BC contains two additional units (Units 9 and 10), plus some extra topics in Units 6–8. **Students enrolled in this course must take the AP[®] exam to earn college credit.**

ADVANCED PLACEMENT® STATISTICS

KISD #: 0397 Advanced Grade Points: Yes
Grades: 10-12 1 Credit
Prerequisite: Algebra 2 or Algebra 2 KP (KLEIN PREP coursework recommended)

The AP® Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP® Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. **Students enrolled in this course must take the AP® exam to earn college credit.**

INTERNATIONAL BACCALAUREATE® MATH: APPLICATIONS & INTERPRETATIONS SL (Klein Oak HS Only)

KISD #: 3425 2 Credits earned within 1 academic year
Grades: 11-12 Algebra 1, Geometry, Algebra 2, and Pre-Calculus KP highly recommended
Prerequisite:

This course includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics. The course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modelling. Students are encouraged to solve real-world problems, construct and communicate this mathematically, and interpret the conclusions. Students are expected to work independently and develop an investigation mode, which can be applied to other subject areas, to common world occurrences and to topics that relate to the self-interest of students. This course culminates in the completion of the IB Mathematics: Applications & Interpretations SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® MATH: ANALYSIS & APPROACHES SL/HL (Klein Oak HS Only)

KISD #: 3421 or 3418HL1 & 3418HL2 2 Credits
Grades: 11-12 Geometry, Algebra 2, Pre-Calculus KP and AP Calculus AB/BC recommended
Prerequisite:

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period, but at a higher level of rigor (students will earn 1 credit per year of completion). Subjects at HL are studied in greater depth and breadth than SL. This course includes topics that are traditionally part of a pre-university mathematics course such as calculus, trigonometry, and differential equations. The course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. The focus is on developing important mathematical concepts in a comprehensible, coherent, and rigorous way, achieved by a carefully balanced approach. This course places a strong emphasis on the ability to construct, communication, and justify correct mathematical arguments. Students should expect to develop insight into mathematical form and structure, and should be intellectually equipped to appreciate the links between concepts in different topic areas. This course culminates in the completion of the IB Mathematics: Analysis & Approaches HL exam in May; exam fees apply.

Advanced Grade Points: Yes

- Table of Contents
- Graduation Plan
- Special Programs
- Core Courses
- STEM
- Business & Industry
- Public Service
- Arts & Humanities
- Multi-Disciplinary
- Advanced Academics
- Accelerated Pathways
- Course Fees
- Index

Independent Study Courses:

In Independent Study in Mathematics, students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics such as theory of equations, number theory, non-Euclidean geometry, linear algebra, advanced survey of mathematics, or history of mathematics.

Independent Study: DUAL CREDIT COLLEGE ALGEBRA

KISD #: 0389A, 0389DC Advanced Grade Points: yes

Grades: 12 1 Credit

Prerequisite: Algebra 2, TSI requirements and Counselor Approval

This course requires students to meet enrollment deadlines for Lone Star College and fees apply.

The first semester of this course is designed to strengthen Algebraic, geometric, and statistical reasoning. Its focus will be on Algebra, geometry, and statistical concepts that relate to success in higher level mathematics. These concepts include foundational algebra skills, functions and their graphs, systems of equations, trigonometry, probability, and statistics. The content of the second semester of this course will provide the student with college level MATH-1314/College Algebra.

INDEPENDENT STUDY OF MATHEMATICS KLEIN PREP (KP)/GT

KISD #: 0384Q, 0386Q Advanced Grade Points: yes

Grades: 11-12 1 Credit

Prerequisite: Algebra 1, Geometry, and Algebra 2

Meets district guidelines, concurrent enrollment in Pre-Calculus

In Independent Study in Mathematics, students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics such as theory of equations, number theory, non-Euclidean geometry, linear algebra, advanced survey of mathematics, or history of mathematics. Potential students must meet prerequisites and have approval of the mathematics department chairman. When accepted, each student will work independently during an assigned period each day on the course selected and attend regularly scheduled seminars with his consulting teacher for progress reports and critical evaluations.

TRANSITION TO COLLEGE MATH

KISD #: 0502

Grades: 12 1 Credit

Prerequisite: Recommend Alg 2

Topics include basic algebraic operations, solving linear equations and inequalities, laws of integer exponents, factoring, rational expressions, the Cartesian coordinate system, graphing lines, finding equations of lines, solving linear systems, special products and factoring, rational expressions and equations, rational exponents, radicals, radical equations, quadratic equations, absolute value equations and inequalities, complex numbers, equations of lines, an introduction to the function concept, and graphing. This course covers Lone Star Math 0308 (Introductory Alg) and Math 0310 (Intermediate Algebra) ; these are transitional math courses for meeting college prerequisite courses. HS Elective credit will be given; this is not a Dual Credit course.

Science

BIOLOGY 1 KLEIN PREP (KP)/GT

KISD #: 0427

Grades: 9-12

1 Credit

Prerequisite: Meets district guidelines

This course is designed for the student with a high aptitude in science, and it acquaints the student with the concepts and processes of biology. This course focuses on strategies to support abstract reasoning problem solving, research skills and a students' active involvement in the learning process. These topics are designed to inform and instruct only and not to enforce or diminish the individual's personal or religious attitudes. GT services are provided through the KLEIN PREP classes. **This course requires an EOC exam.**

Advanced Grade Points: Yes

BIOLOGY 1 Pre-IP (Klein Oak High School Only)

KISD#: 3476

Grades: 9

1 credit

Prerequisite: Acceptance into the IB® Programme

IB Preparatory Biology provides students with an understanding of the important underlying biological themes of form and function, equilibriums, and evolution as an underlying concept for understanding life on Earth. This course is appropriate for identified gifted learners who require specialized instructional services. Students will become knowledgeable about the ideas and concepts fundamental to biology. Pre-IP Biology is appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for Biology. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB Biology Standard Level and Higher Level courses. Students enrolled in this class must pass a Biology End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

Advanced Placement® BIOLOGY 1

KISD #: 0425

Grades: 10-12

1 Credit

Prerequisite: Biology 1 and Chemistry 1

AP® Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

BIOLOGY DUAL CREDIT

KISD #: 0425DC

Grades: 11-12

1 Credit

Prerequisite: Meets district guidelines

A contemporary course including applications of the scientific method, cellular and molecular biology, biochemistry, classical and human genetics, virology, and mechanisms of evolution. The course includes a detailed survey of the major phylogenetic lineages as well as the ecological roles and relationships as well as behavior of organisms which will be integrated throughout the course.

Advanced Grade Points: Yes

Dual Credit Correlation: BIOL 1406 and 1407

INTERNATIONAL BACCALAUREATE® BIOLOGY Standard Level (Klein Oak HS Only)

KISD #: 3430 (accelerated course) or 3430SL1 & 3430SL2

Grades: 11-12

1 Credit per year of study

Prerequisite: Biology KP required, Biology Pre-IP highly recommended

This course may be taken as an SL accelerated opinion in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). Through the course, students will become aware of how scientists work and communicate with each other. Students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers, and evaluate and communicate their findings. The material of study for IB® Biology (SL) will include the following topics: biochemistry, cells, genetics, nucleic acids, proteins, evolution, ecology and evolution, ecology and conservation, and human health physiology. This course includes a multi-disciplinary group science project and culminates in the completion of the IB Biology SL exam in May; exam fees apply.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



INTEGRATED PHYSICS AND CHEMISTRY

KISD #: 0411

Grades: 9-10

1 Credit

Prerequisite:

None

This course is designed to acquaint the student with the concepts and processes of physics and chemistry. Laboratory investigations are an integral part of the course. These laboratory investigations will allow the student to utilize the scientific method and develop critical thinking skills while problem solving. Topics of study shall include properties and relationships of matter and energy, atomic structure, chemical formulas and equations, mechanics, heat, electricity and magnetism, motion, waves, light, and sound. This course is intended for students who did not pass Algebra 1 and who need more foundational knowledge prior to entering Chemistry or Physics.

INTEGRATED PHYSICS AND CHEMISTRY SHELTERED INSTRUCTION

KISD #: 0411S

Grades: 9-12

1 Credit

Prerequisite:

Counselor Approval

The course will cover the essential knowledge and skills of the regular integrated physics and chemistry course with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This course is designed to acquaint the emergent bilingual student with the concepts and processes of physics and chemistry. Laboratory investigations are an integral part of the course. These laboratory investigations will allow the student to utilize the scientific method and develop critical thinking skills while problem solving. Topics of study shall include properties and relationships of matter and energy, atomic structure, chemical formulas and equations, mechanics, heat, electricity and magnetism, and light and sound.

BIOLOGY 1

KISD #: 0421

Grades: 9-11

1 Credit

Prerequisite:

None

This course is designed to acquaint the student with the concepts and processes of biology. A developmental approach is utilized beginning with life at the cell level and progressing to the most advanced life forms. Laboratory investigations are an integral part of the course. Topics of study shall include cytology, viruses, tissues and organs of the human systems, genetics, and biological evolution, and taxonomy, energy transfers in living organisms, homeostasis, ecosystems, and plants. During instruction in this class, the textbooks, audiovisual materials, and lectures will include instruction and information concerning human growth and development. These topics are designed to inform and instruct only and not to enforce or diminish the individual's personal or religious attitudes. **This course requires an EOC exam.**

BIOLOGY 1 SHELTERED INSTRUCTION

KISD #: 0421S

Grades: 9-12

1 Credit

Prerequisite:

Counselor Approval

The course will cover the essential knowledge and skills of the regular Biology course with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This course is designed to acquaint the emergent bilingual student with the concepts and processes of biology. A developmental approach is utilized beginning with life at the cell level and progressing to the most advanced life forms. Laboratory investigations are an integral part of the course. Topics of study shall include cytology, viruses, tissues and organs of the human systems, genetics, biological evolution, taxonomy, energy transfers in living organisms, homeostasis, ecosystems, and plants. During instruction in this class, the textbooks, audiovisual materials, and lectures will include instruction and information concerning human growth and development. These topics are designed to inform and instruct only and not to enforce or diminish the individual's personal or religious attitudes. **This course requires an EOC exam.**

BIOLOGY 1 KLEIN PREP (KP)

KISD #: 0423Q

Grades: 9-12

1 Credit

Prerequisite:

None

This course is designed for the student with a high interest in science and/or who intends to take further science courses. It is designed to acquaint the student with concepts and processes of biology and is an expansion of the regular class. Experimentation and individual student inquiry are essential components of the course. The level of instruction/curriculum will focus on preparing the student for advanced placement courses. These topics are designed to inform and instruct only and not to enforce or diminish the individual's personal or religious attitudes. **This course requires an EOC exam.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® BIOLOGY Higher Level (Klein Oak HS Only)**KISD #:** 3436HL1 & 3436HL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** Biology Pre-IP

This course must be taken over a two-year period (students will earn 1 credit per year of completion). Through the course, students will become aware of how scientists work and communicate with each other. Students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers, and evaluate and communicate their findings. Subjects at HL are studied in greater depth and breadth than SL. The material of study for IB® Biology (HL) will include the following topics: biochemistry, cells, genetics, nucleic acids, proteins, evolution, ecology and evolution, ecology and conservation, and human health physiology. This course includes a multi-disciplinary group science project and culminates in the completion of the IB Biology HL exam in May; exam fees apply.

Advanced Grade Points: Yes**CHEMISTRY****KISD #:** 0431**Grades:** 9-12 **1 Credit****Prerequisite:** Algebra 1, concurrent 2nd year HS Math

This course is designed to acquaint the student with the concepts and processes of chemistry. This laboratory program focuses on Chemistry concepts and how they apply to the physical world. The student builds an understanding of chemistry through exploration, demonstration, questioning, and application of the concepts through a variety of inquiry-based activities. All-important concepts are covered in several chapters in a spiraling process that allows students to see concepts in a variety of contexts and in ways that are meaningful to the student.

CHEMISTRY SHELTERED INSTRUCTION**KISD #:** 0431S**Grades:** 9-12 **1 Credit****Prerequisite:** Counselor Approval

Chemistry Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Chemistry with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

This course is designed to acquaint the student with the concepts and processes of chemistry. This laboratory program focuses on Chemistry concepts and how they apply to the physical world. The student builds an understanding of chemistry through exploration, demonstration, questioning, and application of the concepts through a variety of inquiry-based activities. All-important concepts are covered in several chapters in a spiraling process that allows students to see concepts in a variety of contexts and in ways that are meaningful to the student.

CHEMISTRY KLEIN PREP (KP)**KISD #:** 0433Q**Grades:** 9-12 **1 Credit****Prerequisite:** Algebra 1 and Meets district guidelines

This course is designed for the student with a high interest in science and/or who intends to take further science courses. It is designed to acquaint the student with the concepts and processes of chemistry and is a modification and expansion of the regular class. Experimentation, individual student inquiry and mathematical applications are an integral part of the course. The level of instruction/curriculum will focus on preparing the student for advanced placement courses.

Advanced Grade Points: Yes**CHEMISTRY KLEIN PREP (KP)/GT****KISD #:** 0437**Grades:** 9-12 **1 Credit****Prerequisite:** Algebra 1 and Meets district guidelines

This course is designed for the student with a high interest in science and/or who intends to take further science courses. It is designed to acquaint the student with the concepts and processes of chemistry and is a modification and expansion of the regular class. Experimentation, individual student inquiry and mathematical applications are an integral part of the course. The level of instruction/curriculum will focus on preparing the student for advanced placement courses. This course focuses on strategies to support abstract reasoning problem solving, research skills and a students' active involvement in the learning process. GT services are provided through the KLEIN PREP classes.

Advanced Grade Points: Yes

CHEMISTRY PRE-IP (Klein Oak High School Only)**KISD#:** 3478**Grades:** 9-10**1 Credit****Prerequisite:** Algebra 1 and Acceptance into the IB[®] Programme

Pre-IP Chemistry is a laboratory centered course that investigates the composition and behavior of matter. Skills emphasized are reading and writing scientific, technical information; collecting and analyzing data; note taking and time management. Students who successfully complete the course will be prepared for the rigorous academic demands of the IB Chemistry Standard Level and Higher Level courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes**Advanced Placement[®] CHEMISTRY****KISD #:** 0435**Grades:** 10-12**1 Credit****Prerequisite:** Chemistry 1 and Algebra 2

The AP[®] Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy.

Students enrolled in this course must take the AP[®] exam to earn college credit.

Advanced Grade Points: Yes**CHEMISTRY DUAL CREDIT****KISD #:** 0431DC**Grades:** 11-12**1 Credit****Prerequisite:** Meets district guidelines

This course is designed for students with a high interest in science. This course is a preparatory course for student who have never had chemistry and covers the metric system, atoms and elements, bonding, solids, liquids, gasses, stoichiometry, solutions, reactivity and acids and bases.

Advanced Grade Points: yes**Dual Credit Correlation:****PHYSICS****KISD #:** 0441**Grades:** 9-12**1 Credit****Prerequisite:** Geometry preferred

Physics is the study of the interactions of matter and energy. This laboratory program focuses on physics concepts and how they apply to the physical world. The student builds understanding through exploration, demonstration, questioning, and application of the concepts through a variety of inquiry-based activities. Topics include: mechanics, properties of matter, heat, sound and light, electricity and magnetism, and atomic and nuclear Physics. Mathematical applications are included throughout the course.

PHYSICS 1 SHELTERED INSTRUCTION**KISD #:** 0441S**Grades:** 9-12**1 Credit****Prerequisite:** Counselor Approval

Physics 1 Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Physics with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

Physics is the study of the interactions of matter and energy. This laboratory program focuses on physics concepts and how they apply to the physical world. The student builds understanding through exploration, demonstration, questioning, and application of the concepts through a variety of inquiry-based activities. Topics include: mechanics, properties of matter, heat, sound and light, electricity and magnetism, and atomic and nuclear Physics. Mathematical applications are included throughout the course.

PHYSICS KLEIN PREP**KISD #:** 0443Q**Grades:** 9-12**1 Credit****Prerequisite:** Algebra 1

In this course, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion, changes within physical systems and conservation of energy and momentum, forces, characteristics and behavior of waves, and electricity and magnetism. Students will apply conceptual knowledge and collaborative skills to experimental design, implementation, and interpretation.

Advanced Grade Points: Yes

PHYSICS KLEIN PREP/GT

KISD #: 0444
Grades: 9-12 1 Credit
Prerequisite: Algebra 1

PHYSICS DUAL CREDIT

KISD #: 0441DC
Grades: 11-12 1 Credit
Prerequisite: Meets district guidelines

This course is designed for students with a high interest in science. This course covers the fundamental principles of physics, mechanics, thermodynamics, Newton’s Laws of Motion, gravitation and other forces and has an emphasis on problem solving. (Students cannot receive credit for both AP Physics 1 and DC Physics)

Advanced Grade Points: yes
Dual Credit Correlation: PHYS 1401

ADVANCED PLACEMENT® PHYSICS 1

KISD #: 0445
Grades: 10-12 1 Credit
Prerequisite: Algebra 1 and 2 (Prior to or concurrent enrollment)

AP® Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

ADVANCED PLACEMENT® PHYSICS 2

KISD #: 0448
Grades: 11-12 1 Credit
Prerequisite: AP Physics 1, Pre-Calculus (Prior to or concurrent enrollment)

AP® Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: fluids; thermodynamics; electrical force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® PHYSICS SL (Klein Oak HS Only)

KISD #: 3434 (accelerated course) or 3434SL1 & 3434SL2
Grades: 11-12 1 Credit per year of study
Prerequisite: Pre IP-Physics or AP Physics highly recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). Physics is the study of the relationship between matter and energy. The student will be introduced to fundamental concepts in the areas of mechanics, wave actions, heat, electricity, magnetism, and nuclear phenomena. Observations of the laws of force and motion, the nature of light, wave phenomena, and properties of electricity and magnetism are integral components of the course. Students will develop experimental and investigative scientific skills, including an ability to ask physical questions and to obtain solutions to those questions by use of physical intuition, experimental investigation, and formal logic. Awareness will be gained of the connections of physics to other disciplines and to societal issues. Knowledge of algebra and basic trigonometry is required for the course. Basic ideas of calculus may be introduced in the study of some concepts. To develop students’ experimental and investigative skills, at least 40% of a student’s classroom time will be devoted to performing laboratory and inquiry activities that cover a range of topics and skills including a multi-disciplinary group science project. Laboratory investigations will help the student develop an ability to analyze, evaluate, and synthesize scientific information. This course culminates in the completion of the IB Physics SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® PHYSICS Higher Level (Klein Oak HS Only)

KISD #: 3438HL1 & 3438HL2
Grades: 11-12 1 Credit per year of study
Prerequisite: Pre-IP Physics or AP Physics required

This course must be taken over a two year period (students will earn 1 credit per year of completion). Students will encounter further extensions of the fundamental concepts in the areas of mechanics, wave actions, heat, electricity, magnetism, and nuclear phenomena. Observations of the laws of force and motion, the nature of light, wave phenomena, and properties of electricity and magnetism are integral components of the course. In addition, the student will study topics on relativity, optics, and astrophysics. Students will develop experimental and investigative scientific skills, including an ability to ask physical questions and to obtain solutions to those questions by use of physical intuition, experimental investigation, and formal logic. Awareness will be gained of the connections of physics to other disciplines and to societal issues. Knowledge of algebra and basic trigonometry is required for the course. Basic ideas of calculus may be introduced in the study of some concepts. To develop students’ experimental and investigative skills, at least 40% of a student’s classroom time will be devoted to performing laboratory and inquiry activities that cover a range of topics and skills including a multi-disciplinary group science project. Laboratory investigations will help the student develop an ability to analyze, evaluate, and synthesize scientific information. This course culminates in the completion of the IB Physics HL exam in May; exam fees apply.

Advanced Grade Points: Yes

EARTH SPACE SCIENCE

KISD #: 0454
Grades: 11-12 1 Credit
Prerequisite: 3 Units Science and 3 Units Math (3rd one may be concurrent)

Earth and Space Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that are designed to develop an understanding of the Earth’s system in space and time. Concepts included are the complex and dynamic history of the earth and the advances in technologies that help further that understanding, the geosphere and complex subsystems linking it to the Earth’s surface, and the fluid earth’s influences on climate and its implications to life on earth.

EARTH SPACE SCIENCE SHELTERED INSTRUCTION

KISD #: 0454S
Grades: 11-12 1 Credit
Prerequisite: Counselor Approval

Earth and Space Science Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Earth and Space Science with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. In Earth and Space Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that are designed to develop an understanding of the Earth’s system in space and time. Concepts included are the complex and dynamic history of the earth and the advances in technologies that help further that understanding, the geosphere and complex subsystems linking it to the Earth’s surface, and the fluid earth’s influences on climate and its implications to life on earth.

ASTRONOMY

KISD #: 0455
Grades: 10-12 1 Credit
Prerequisite: 1.0 credit HS Science

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills.

INDEPENDENT STUDY SCIENCE KLEIN PREP

KISD #: 0450
Grades: 11-12 **1 Credit**
Prerequisite: **Biology, Chemistry, Algebra 2, approval from Science Department Chair, coseated Physics**
Preferred: **AP/DC English 3, AP Seminar**
Independent Study in Science is intended to diversify programs of science study and give students the opportunity to study scientific topics in greater detail that may not be covered in chemistry, physics, or biology courses. Students will incorporate critical thinking and problem-solving skills to research a science topic of their passion through experimentation and data analysis. Students will be required to present their scientific research findings to a panel/audience. Each student will work independently during an assigned period each day on the research topic/thesis selected, and collaborate daily with the facilitating teacher on meeting progress report deadlines and critical evaluations. By the end of this course the student will be expected to have created and presented a rigorous, well-researched and well-designed laboratory report, research paper and presentation on their topic
Advanced Grade Points: Yes

AQUATIC SCIENCE

KISD #: 0451
Grades: 10-12 **1 Credit**
Prerequisite: **Biology 1**
In Aquatic Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include the following: components of an aquatic ecosystem; relationships among aquatic habitats and ecosystems; roles of cycles within an aquatic environment; adaptations of aquatic organisms; changes within aquatic environments; geological phenomena and fluid dynamics effects; and origin and use of water in a watershed.

AQUATIC SCIENCE SHELTERED INSTRUCTION

KISD #: 0451S
Grades: 10-12 **1 Credit**
Prerequisite: **Counselor Approval**
Aquatic Science Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Aquatic Science with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.
In Aquatic Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include the following: components of an aquatic ecosystem; relationships among aquatic habitats and ecosystems; roles of cycles within an aquatic environment; adaptations of aquatic organisms; changes within aquatic environments; geological phenomena and fluid dynamics effects; and origin and use of water in a watershed.

ENVIRONMENTAL SYSTEMS

KISD #: 0457
Grades: 10-12 **1 Credit**
Prerequisite: **Biology 1 and 1 unit of high school physical Science**
In Environmental Systems, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include the following: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

ENVIRONMENTAL SYSTEMS SHELTERED INSTRUCTION

KISD #: 0457S
Grades: 10-12 **1 Credit**
Prerequisite: **Counselor Approval**
Environmental Systems Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Environmental Systems with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.
In Environmental Systems, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include the following: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

ADVANCED PLACEMENT® ENVIRONMENTAL SCIENCE

KISD #: 0465
Grades: 11-12 1 Credit
Prerequisite: Biology 1 and Chemistry 1

The AP® Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. **Students enrolled in this course must take the AP® exam to earn college credit.**

ENVIRONMENTAL SCIENCE DUAL CREDIT

KISD #: 0465DC
Grades: 11-12 1 Credit
Prerequisite: Biology 1 or Chemistry 1 preferred and meets district guidelines

This course is designed as an interdisciplinary study of both natural (biology, chemistry, geology) and social (economics, politics, ethics) sciences as they apply to the environment. Focus is on the role of science in addressing global environmental concerns, energy issues, global warming, ozone loss, land use, conservation and management of resources, deforestation, biodiversity, waste, and sustainable practices. Concepts include ethics, policy, matter, energy, species biodiversity, ecology, human populations, food and agriculture. Practical laboratory experience emphasizes the application of fundamental principles of biology and chemistry as well as critical thinking and analysis.

Advanced Grade Points: yes
Dual Credit Correlation: ENVR 1401 and 1402

ANATOMY & PHYSIOLOGY

KISD Code: 927118 PEIMS: 13020600
Grade: 10 - 12 1 Credit
Grade Points: 5.5 (6.0 Class of 2025)
Prerequisite: Biology I and Chemistry I Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook.

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18 PEIMS: 13020600
Grade: 10 - 12 1 Credit
Grade Points: 6.0
Prerequisite: Biology I and Chemistry I (Recommended Prerequisite: Principles of Health Science and Medical Terminology)

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook.

ADVANCED PLANT & SOIL SCIENCE

KISD Code: 907118 PEIMS: 13002100
Grade: 11 - 12 1 Credit
Grade Points: 5.5
Prerequisite: Floral Design or Horticulture Science and Biology, Integrated Physics and Chemistry, Chemistry, or Physics
This course provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. A majority of this class is based on hands-on, lab and project based learning experiences. Students will also have the opportunity to participate in extended learning experiences, such as the Ag Science Fair, by joining the National FFA Organization. Thi is a 4th credit option. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

ADVANCED ANIMAL SCIENCE

KISD Code: 907018 PEIMS: 13000700
Grade: 11 - 12 1 Credit
Grade Points: 5.5

Prerequisite: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock Production or Vet Med Applications

Are you preparing for a career in the animal science industry? Students who take this course will gain the opportunity to participate in experiments, laboratory explorations, and the study of animal science topics such as reproduction, breeding, genetics, anatomy, physiology, nutrition, health, and the marketing and harvesting of domestic livestock. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

FORENSIC SCIENCE

KISD Code: 963518 PEIMS: 13029500
Grade: 11 - 12 1 Credit
Grade Points: 5.5

Prerequisite: Law Enforcement I and Biology I and Chemistry I

You will apply science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. You will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, you will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. You will also learn the history and the legal aspects as they relate to each discipline of forensic science. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

MEDICAL MICROBIOLOGY

KISD Code: 928118 PEIMS: 13020700
Grade: 11 - 12 1 Credit
Grade Points: 5.5 (6.0 Class of 2025)

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science, Medical Terminology and/or Anatomy & Physiology. You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Emphasis will be placed on the exploration of the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases.

PATHOPHYSIOLOGY

KISD Code: 928218 PEIMS: 13020800
Grade: 11 - 12 1 Credit
Grade Points: 5.5 (6.0 Class of 2025)

Prerequisite: Anatomy and Physiology Recommended Prerequisite: Principles of Health Science and Medical Terminology

Students will conduct laboratory and field investigations, use scientific methods during investigations, make informed decisions using critical thinking and scientific problem-solving and demonstrate professional standards as related to business and industry. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Social Studies

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index

WORLD GEOGRAPHY

KISD #: 0231

Grades: 9-10

1 Credit

Prerequisite: None

World Geography is the study of the world's peoples, places, and environments, with a focus on world regions. Emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives.

WORLD GEOGRAPHY SHELTERED INSTRUCTION

KISD #: 0231S

Grades: 9-10

1 Credit

Prerequisite: Counselor Approval

World Geography is the study of the world's peoples, places, and environments, with a focus on world regions. Emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives. Sheltered instruction techniques are used to help students master the essential concepts of the course. This course will cover the essential elements of World Geography with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

WORLD GEOGRAPHY KLEIN PREP (KP)

KISD #: 0233Q

Grades: 9-10

1 Credit

Prerequisite: None

World Geography is the study of the world's peoples, places, and environments, with a focus on world regions. Emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives. Advanced students are expected to accelerate their learning in this course by developing a broad, conceptual perspective for a more in-depth study of geography.

Advanced Grade Points: Yes

WORLD GEOGRAPHY KLEIN PREP (KP)/GT

KISD #: 0237Q

Grades: 9-10

1 Credit

Prerequisite: Meets district guidelines

World Geography is the study of the world's peoples, places, and environments, with a focus on world regions. Emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives. Advanced students are expected to accelerate their learning in this course by developing a broad, conceptual perspective for a more in-depth study of geography.

Advanced Grade Points: Yes

ADVANCED PLACEMENT® HUMAN GEOGRAPHY

KISD #: 0238

Grades: 9-12

1 Credit

Prerequisite: None

AP® Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

WORLD HISTORY

KISD #: 0221

Grades: 9-10

1 Credit

Prerequisite: None

World History is the study of the historical development of people, places, and patterns of life from ancient times to the present. Students will use skills of historical and geographical analysis to explore the early history of the world.

WORLD HISTORY SHELTERED INSTRUCTION

KISD #: 0221N

Grades: 9-10

1 Credit

Prerequisite: Counselor Approval

World History is the study of the historical development of people, places, and patterns of life from ancient times to the present. Students will use skills of historical and geographical analysis to explore the early history of the world. This course will cover the essential elements of US History with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.



ADVANCED PLACEMENT® WORLD HISTORY

KISD #: 0224
Grades: 9-10 1 Credit
Prerequisite: KP or AP High School Social Studies course

In AP® World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. **Students enrolled in this course must take the AP® exam to earn college credit.**
Advanced Grade Points: Yes

US HISTORY

KISD #: 0211
Grades: 10-12 1 Credit
Prerequisite: World Geography or World History

United States History Since 1877 is the study of the historical development of American ideas and institutions from the Age of Exploration to the present. Students will learn fundamental concepts in civics, economics, and geography and obtain a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in the United States. **This course requires an EOC exam.**

US HISTORY SHELTERED INSTRUCTION

KISD #: 0211S
Grades: 10-12 1 Credit
Prerequisite: Counselor Approval

United States History Since 1877 is the study of the historical development of American ideas and institutions from the Age of Exploration to the present. Students will learn fundamental concepts in civics, economics, and geography and obtain a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in the United States. This course will cover the essential elements of US History with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.
This course requires an EOC exam.

ADVANCED PLACEMENT® US HISTORY

KISD #: 0215
Grades: 10-12 1 Credit
Prerequisite: KP or AP High School Social Studies course

In AP® U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. **All Students take the EOC test. Students enrolled in this course must take the AP® exam to earn college credit.**
Advanced Grade Points: Yes

US HISTORY DUAL CREDIT

KISD #: 0221DC
Grades: 10-12 1 Credit
Prerequisite: None

A survey of U.S. history from Pre-Contact Societies to the present. Themes to be developed include westward expansion and globalization, Native Americans, industrialization, immigration, imperialism, political and social developments, the wars of the 220th century and the changing status and conditions of women and minorities.
Advanced Grade Points: Yes
Dual Credit Correlation: HIST 1301 and 1302

- Table of Contents
- Graduation Plan
- Special Programs
- Core Courses
- STEM
- Business & Industry
- Public Service
- Arts & Humanities
- Multi-Disciplinary
- Advanced Academics
- Accelerated Pathways
- Course Fees
- Index

INTERNATIONAL BACCALAUREATE® HISTORY OF THE AMERICAS HL (Klein Oak HS Only)

KISD #: 3410HL1 & 3410HL2

Grades: 11 and 12 1 Credit per year of study

Prerequisite: World Geography KP and AP World History

The IB History of the Americas is a two-year course of study that provides students with an intensive analysis of the political, economic, social, intellectual, diplomatic, and cultural development of early American history, as well as a transition into 20th century topics. It involves the study of a variety of history, including political, economic, social, and cultural, and provides a balance of structure and flexibility. The six key concepts include: change, continuity, causation, consequence, significance, and perspectives. Students must pass a US History End of Course (EOC) exam to meet graduation requirements. This course culminates in the completion of the IB HOA HL exam in May; exam fees apply. ***This course replaces the U.S. History requirement for graduation.**

Advanced Grade Points: Yes

GOVERNMENT

KISD #: 0241

Grades: 11-12 0.5 Credit

Prerequisite: U.S. History

United States Government will provide students with knowledge of the American government system that will enable them to participate effectively in civic life in America. Students will examine fundamental constitutional principles; the organization of government at the federal, state, and local level; the rights and responsibilities of citizenship; the policy-making process; political parties and elections; comparative government and foreign policy; and the American economic system.

GOVERNMENT SHELTERED INSTRUCTION

KISD #: 0241S

Grades: 11-12 .5 Credit

Prerequisite: Counselor Approval

The United States Government will provide students with knowledge of the American government system that will enable them to participate effectively in civic life in America. Students will examine fundamental constitutional principles; the organization of government at the federal, state, and local level; the rights and responsibilities of citizenship; the policy-making process; political parties and elections; comparative government and foreign policy; and the American economic system. This course will cover the essential elements of Government with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

ADVANCED PLACEMENT® GOVERNMENT

KISD #: 0245

Grades: 11-12 .5 Credit

Prerequisite: US History (Prior to or concurrent enrollment)

AP® U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

GOVERNMENT DUAL CREDIT

KISD #: 0241DC

Grades: 11-12 .5 Credit

Prerequisite: Meet district guidelines

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights.

Advanced Grade Points: Yes

Dual Credit Correlation: GOVT 2305

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM AND ITS BENEFITS

KISD #: 0251

Grades: 11-12 .5 Credit

Prerequisite: U.S. History

Economics is a semester course that deals with the way that individuals and societies, particularly the United States, have chosen to use scarce resources for the production of alternative goods and how these resources are distributed among the various peoples and groups in society. The course emphasizes the economic principles upon which the free enterprise system is based.

Table of Contents
Graduation Plan
Special Programs
Core Courses
STEM
Business & Industry
Public Service
Arts & Humanities
Multi-Disciplinary
Advanced Academics
Accelerated Pathways
Course Fees
Index

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM AND ITS BENEFITS SHELTERED INSTRUCTION

KISD #: 0251S
Grades: 11-12 .5 Credit
Prerequisite: U.S. History

Economics is a semester course that deals with the way that individuals and societies, particularly the United States, have chosen to use scarce resources for the production of alternative goods and how these resources are distributed among the various peoples and groups in society. The course emphasizes the economic principles upon which the free enterprise system is based. This course will cover the essential elements of Economics with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

PERSONAL	FINANCIAL	LITERACY	AND	ECONOMICS
KISD #: 0271				
Grades: 11-12	.5			Credit History
Prerequisite: U.S.				

Personal Financial Literacy and Economics Course is a semester course that emphasizes the economic way of thinking, as a framework for the personal financial decision-making opportunities students will make. This course allows students the ability to anticipate and address financial challenges as these challenges occur over their lifetime, like how to invest in themselves with education and skill development, earn income, and budget for spending, saving, investing, and protecting. Students will be introduced to common economic and personal financial planning terms and concepts. Upon completion of the course students will gain the ability to lead productive and financially self-sufficient lives and realize how it impacts the greater economy.

Advanced Grade Points: No

ADVANCED PLACEMENT® MICROECONOMICS

KISD #: 0255
Grades: 11-12 .5 Credit
Prerequisite: U.S. History

AP® Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students’ familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

ADVANCED PLACEMENT® MACROECONOMICS

KISD #: 0256
Grades: 11-12 .5 Credit
Prerequisite: U.S. History

AP® Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students’ familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

ECONOMICS DUAL CREDIT

KISD #: 0251DC
Grades: 11-12 .5 Credit
Prerequisite: U.S. History

A study of macroeconomic principles. Analysis of the market economy; national income accounting; income determination; stabilization policies: monetary and fiscal policy; money and banking; demand and supply-side economics; monetarist vs. Keynesian view; inflation theories such as distinction between demand-pull and cost-push theories, Phillips curve analysis; labor market and determination of unemployment rate.

Advanced Grade Points: Yes
Dual Credit Correlation: ECON 2301

MEXICAN AMERICAN STUDIES

KISD #: 0269
Grades: 9-12 1 Credit
Prerequisite: None

Mexican American Studies is an elective, full-year course where students learn about the history and cultural contributions of Mexican Americans. Students explore history and culture from an interdisciplinary perspective. The course emphasizes developments in the twentieth and twenty-first centuries, but students will also engage with developments prior to the twentieth century.

Table of Contents
Graduation Plan
Special Programs
Core Courses
STEM
Business & Industry
Public Service
Arts & Humanities
Multi-Disciplinary
Advanced Academics
Accelerated Pathways
Course Fees
Index

AFRICAN AMERICAN STUDIES

KISD #: 0267
Grades: 9-12 1.0 Credit
Prerequisite: None

African American Studies is an elective, full year course where students learn about the history and cultural contributions of African Americans. Students are provided the opportunity to develop a greater understanding of various historical and current topics and the changing economic and social impacts of African Americans on the national culture and conscience.

PSYCHOLOGY

KISD #: 0260
Grades: 10-12 .5 Credit
Prerequisite: None

Psychology is an elective course where students learn about principles of learning, types of personalities, understanding human behavior, patterns of behavior, emotional and behavioral adjustments, group influences, social psychology.

ADVANCED PLACEMENT® PSYCHOLOGY

KISD #: 0262
Grades: 10-12 .5 Credit
Prerequisite: None

The AP® Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

PSYCHOLOGY DUAL CREDIT

KISD #: 0260DC
Grades: 10-12 .5 Credit
Prerequisite: None

This course is a survey of the essential subject areas, major theories, and approaches to the scientific study of behavior and mental processes.

Advanced Grade Points: Yes
Dual Credit Correlation: PSYC 2301

SOCIOLOGY

KISD #: 0261
Grades: 10-12 .5 Credit
Prerequisite: None

Sociology is an elective course where students study social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever changing world, the role of culture and social groups.

SOCIOLOGY DUAL CREDIT

KISD #: 0261DC
Grades: 10-12 .5 Credit
Prerequisite: U.S. History

This course is an introduction to the basic elements of society. In looking at human behavior, this course includes an introduction to dynamics of society, culture, social groups, social institutions, socialization, social processes, and social structure.

Advanced Grade Points: Yes
Dual Credit Correlation: SOCI 1301

ADVANCED PLACEMENT® EUROPEAN HISTORY

KISD #: 0226
Grades: 10-12 1 Credit
Prerequisite: None

In AP® European History, students investigate significant events, individuals, developments, and processes from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world, economic and commercial development, cultural and intellectual development, states and other institutions of power, social organization and development, national and European identity, and technological and scientific innovations. **Students enrolled in this course must take the AP® exam to earn college credit.**
Advanced Grade Points: Yes

PERSONAL FINANCIAL LITERACY (Elective)

KISD #: 0270
Grades: 9-12 .5 Credit
Prerequisite: None

Personal Financial Literacy is an elective, one-semester course that provides students with the knowledge and skills to make informed financial decisions and understand personal financial responsibility. This is an interactive course that includes topics such as credit card debt, renting and buying a home, starting a small business, investment options, banking, insurance, and methods for paying for college.

- Table of Contents
- Graduation Plan
- Special Programs
- Core Courses
- STEM
- Business & Industry
- Public Service
- Arts & Humanities
- Multi-Disciplinary
- Advanced Academics
- Accelerated Pathways
- Course Fees
- Index

Health

HEALTH

KISD #: 1605

Grades: 9-12

.5 Credit

Prerequisite:

None

This course includes a study of the following topics:

- Wellness
- Nutrition
- Exposure to Effects of the Use of Alcohol, Tobacco and Other Drugs
- Fitness and Exercise
- Consumer Awareness
- Prevention and Treatment of Communicable Diseases, Including Sexually Transmitted Diseases, Chronic and Degenerative Diseases
- Community and Environmental Health
- Community Health Resources
- Stress Management
- Mental Health
- Human Sexuality and Family Living
- Health Careers
- Current Health Issues

During instruction in this class, the textbooks, audiovisual materials, and lectures will include instruction and information concerning human growth and development. These topics are designed to inform and instruct only and not to enforce or diminish the individual's personal or religious attitudes.

HEALTH EDUCATION SHELTERED INSTRUCTION

KISD #: 1605S

Grades: 9-12

.5 Credit

Prerequisite:

None

This course for emergent bilingual students includes a study of health topics with an emphasis on the vocabulary and concepts such as:

- Wellness
- Nutrition
- Exposure to Effects of the Use of Alcohol, Tobacco and Other Drugs
- Fitness and Exercise
- Consumer Awareness
- Prevention and Treatment of Communicable Diseases, Including Sexually
- Community Health Resources
- Stress Management
- Mental Health
- Human Sexuality and Family Living
- Health Careers
- Current Health Issues

During instruction in this class, the textbooks, audiovisual materials, and lectures will include instruction and information concerning human growth and development. These topics are designed to inform and instruct only and not to enforce or diminish the individual's personal or religious attitudes.

ADVANCED HEALTH EDUCATION

KISD #: 1606

Grades: 9-12

.5 Credit

Prerequisite:

None

This course is designed for the student with a high interest in the field of human medicine/health sciences. It is designed to acquaint the student with the more detailed aspects of gross anatomy and physiology as well as providing in-depth information concerning various health related careers. It shall include the following:

- Skills that foster individual health
- Use of a systematic approach to acquire health information
- Development of skills that affect the well-being of people collectively

Topics include the following:

- Skeletal, Muscular, Neurological, and Internal anatomy

Presentations by professionals in fields of:

- Family medicine, Physical therapy, Psychology, Surgical specialists, EMTs

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Physical Education

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index

LIFETIME FITNESS & WELLNESS PURSUITS

KISD #: 1603Y or 1604Y

Grades: 9-12 .5 to 1 Credit

Prerequisite: None

The Lifetime Fitness and Wellness Pursuits course offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students in Lifetime Fitness and Wellness Pursuits will apply the knowledge and skills to demonstrate mastery of the concepts needed to achieve lifetime wellness. Students will participate in a variety of physical activities for attaining personal fitness and lifetime wellness.

SKILL-BASED LIFETIME ACTIVITIES

KISD #: 1608Y or 1610Y

Grades: 9-12 1 Credit

Prerequisite: None

The Skill-Based Lifetime Activities course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students will experience opportunities that promote physical literacy and lifetime wellness. Students in Skill-Based Lifetime Activities will participate in a minimum of one lifelong activity from each of the following five categories during the course.

(A) Target games are activities in which students send an object toward a target.

(B) Striking and fielding games are activities in which students strike an object in order to score points within a game.

(C) Fitness activities provide opportunities for students to apply fitness principles to accomplish an objective.

(D) Rhythmic activities provide opportunities for students to demonstrate or create movement sequences with rhythm.

(E) Innovative games and activities with international significance are those games and activities that use new or innovative equipment, have been created by students, or are played internationally.

BOYS AND GIRLS ATHLETICS

KISD #: varies by sport

Grades: 9-12 Maximum of 4 Credits

Prerequisite: Coach Approval required

Each of the athletes will work out for their sport during their athletic period and after school. Students can double in two sports at the same time if it can be coordinated with the coaches. The student may earn no more than four units of credit in physical education toward state graduation requirements. There are several sports offered for the students in Klein ISD. Athletic Trainer, Baseball, Basketball, Cross Country, Football, Golf, Softball, Soccer, Swimming, Tennis, Track, Volleyball, and Wrestling. Students participating in Athletics will be scheduled into an athletic period. Tryouts and/or off-season programs may be a requirement for participation in some sports.

LIFETIME RECREATION AND OUTDOOR PURSUITS

KISD #: 1602Y

Grades: 9-12 Credit

Prerequisite: None

The Lifetime Recreation and Outdoor Pursuits course provides opportunities to develop competency in five or more life-long recreational and outdoor pursuits for enjoyment and challenge. Students in Lifetime Recreation and Outdoor Pursuits will participate in activities that promote physical literacy, promote respect for and connection to nature and the environment, and promote opportunities for enjoyment for a lifetime. Students will experience opportunities that enhance self-worth and support community engagement.

SPORTS MEDICINE

KISD #: 1659

Grades: 9-11 1 Credit

Prerequisite: Application and Athletic Trainer Approval

This course is an introductory level class that introduces students into the field of Athletic Training and affiliated areas dealing with sports medicine. The objective of this class is to expose the students to the field of athletic training and its demands. Topics covered include CPR and Emergency First Aid, effects on the body from being injured and the anatomy and physiology of the lower body and associated injuries. Involvement in this course will require after school and weekend commitment.

SPORTS MEDICINE 2

KISD #: 1660

Grades: 9-11

1 Credit

Prerequisite:

Application and Athletic Trainer Approval

This course is an upper level course that builds on the information learned in Sports Medicine 1. The objective of this class is to complete the student’s exposure to the field of athletic training and its demands. Topics covered include the Anatomy and Physiology of the upper body and Rehabilitation Principles and Techniques to affected regions of the body. Current trends and concepts involving Sports Medicine will also be covered. Involvement in this course will require after school and weekend commitment.

- Table of Contents
- Graduation Plan
- Special Programs
- Core Courses
- STEM
- Business & Industry
- Public Service
- Arts & Humanities
- Multi-Disciplinary
- Advanced Academics
- Accelerated Pathways
- Course Fees
- Index

Other Electives

PEER ASSISTANCE AND LEADERSHIP FOR FUTURE TEACHERS

Klein ISD# 9978, 9979

Grades: 11-12

1 Credit

Prerequisite: Sponsor selection upon teacher recommendation

This course is designed to encourage students with an interest in leadership for the teaching profession as a possible career for the future. It will provide field experience under the direction of a certified classroom teacher for participating students to help peers achieve academic success. Participants will be trained in a variety of helping skills which will enable them to assist other students in having a more positive and productive school experience. Positive peer influence will be an important component of this assisted-tutorial program.

STUDENT LEADERSHIP

Klein ISD# 9986

Grades: 9-12

1 Credit

Prerequisite: Sponsor selection

Student Leadership is a course designed to provide an opportunity for students to study, practice, and develop group and individual leadership and organizational skills. This is the first-year course for students who want to be in the student council.

STUDENT LEADERSHIP

Klein ISD# 9987

Grades: 10-12

1 Credit

Prerequisite: Sponsor selection

Student Leadership is a course designed to provide an opportunity for students to study, practice, and develop group and individual leadership and organizational skills. This course is a continuation of the state leadership course and it gives students the opportunity to be in the student council. This is a local credit course and does not count as a state graduation credit.

BEST (BRIDGING THE EDUCATION SCENE FOR TEACHERS OF TOMORROW)

Klein ISD# 9985

Grades: 12

1 Credit

Prerequisite: Sponsor selection

This course is designed to provide exposure to the teaching profession for seniors who have shown an interest in pursuing careers in education. The course offers field-based experiences with advanced pre-teaching concepts on the following: education as a profession, effective instructional strategies, equity and excellence for all learners, classroom organization and management. Successful completion of PAL is an indicator of success in BEST.

Path I - College and Career Readiness

Klein ISD# 9917

Grades: 9-12

1 Credit

Prerequisite: None

This elective course is part of a college and career readiness system that provides students with instructional support in all KLEIN PREP/Pre-IP courses through in-class coaching. This course builds study skills, research skills, develops personal/interpersonal and cognitive skills, develops the understanding of one's character through self-reflection, and develops the habits necessary for continued success in high school, college courses and the workforce. In the PATH elective, students will be immersed in a college going/career ready online learning environment to ensure those who are enrolled are not just college eligible, but college ready.

Path II - College and Career Readiness

Klein ISD# 9925

Grades: 10-12

1 Credit

Prerequisite: Path I

This elective course is part of a college and career readiness system that provides students with instructional support in all KLEIN PREP/AP and Pre-IP/IB courses through in-class coaching. This course focuses on developing the habits and skills that are expected in college study and the workforce, exploring college and career opportunities that match personal interests, and engaging in ethical decision-making as it applies to real-world and work-place issues by participating in group community service, and preparing for the PSAT and PLAN. In the PATH elective, students will be immersed in a college going/career ready online learning environment to ensure those who are enrolled are not just college eligible, but college ready.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Path III - College and Career Readiness

Klein ISD# 9926
Grades: 11-12 1 Credit
Prerequisite: Path I, Path II

This elective course is part of a college and career readiness system that provides students with instructional support in all KLEIN PREP/AP and Pre-IP/IB courses through in-class coaching. This course focuses on developing the research skills that are expected in college study and the workforce, analyzing the financial, societal and cultural difference of personal college and career choices, engaging in ethical decision-making as it applies to real-world and work-place issues by participating in group community service, and preparing for the SAT and ACT. In the PATH elective, students will be immersed in a college going/career ready online learning environment to ensure those who are enrolled are not just college eligible, but college ready.

Path IV - College and Career Readiness

Klein ISD# 9927
Grades: 12 1 Credit
Prerequisite: Path I, Path II, Path III

This elective course is part of a college and career readiness system that provides students with instructional support in all KLEIN PREP/AP and Pre-IP/IB courses through in-class coaching. This course focuses on developing the research skills that are expected in college study and the workforce, analyzing the financial, societal and cultural difference of personal college and career choices, engaging in ethical decision-making as it applies to real-world and work-place issues by participating in group community service, and preparing for the SAT and ACT. In the PATH elective, students will be immersed in a college going/career ready online learning environment to ensure those who are enrolled are not just college eligible, but college ready.

AVID 1-4 (Advancement Via Individual Determination)

Klein ISD# 9901, 9902, 9903,9904
Grades: 9-12 1 Credit
Prerequisite: District Selection Process

AVID is an elective course for students that are enrolled in a college preparatory sequence (KLEIN PREP/AP). In the class students receive the scholastic and motivational support needed to succeed in advanced academics. Students are supported by an AVID trained teacher in all subject areas, are coached by college tutors, and work in collaborative groups using a curriculum focused on writing and inquiry. In addition, days are devoted to reading, writing, and math preparation and study skills, and college entrance and placement exams.

CHEERLEADING 1-4

Grades: 9-12 1 Credit
Prerequisite: Tryouts

This is a course offered in the fall for students elected to be cheerleaders. Emphasis is placed on physical conditioning, refinement of motor skills, practice of cheers, leadership development and citizenship through group endeavors. During athletic seasons, cheerleaders’ practice after school and perform at varsity athletic games. Attendance at all rehearsals and performances is required. Cheerleading will substitute for P.E. only during fall semesters.

Note: Cheerleading is an approved P.E. substitute only during the fall semester; the second semester will be local credit only. Students are reminded that a maximum of 2 units for P.E., approved P.E. substitute, or P.E. waiver may count toward graduation. Once a student has earned these maximum P.E. units/P.E. substitute units/ P.E. waivers, the remaining Cheerleading units will be granted local credit.

COLORGUARD 1-4

Grades: 9-12 1 Credit
Prerequisite: Audition

The high school color guard is an auxiliary unit of the marching band consisting of flags and rifles. Emphasis is placed on physical conditioning, equipment handling and care, musical choreography and dance, creative self-expression through movement, the refinement of motor skills, and citizenship through group endeavors. During football season the color guard rehearses daily after school with the marching band and performs at all varsity football games and selected marching contests. Attendance at all rehearsals and performances is required. Students must furnish their performance uniform (hat excluded) and footwear.

Note: Color Guard is an approved P.E. substitute during the fall semester. Students are reminded that a maximum of 1 unit for P.E., approved P.E. substitute, or P.E. waiver may count toward graduation. Once a student has earned these maximum P.E. units/ P.E. substitute units / P.E. waivers, the Color Guard units will be granted local credit.

STEM Endorsement

(Science, Technology, Engineering & Math)

<u>Advanced Computer Science & Algorithms Pathway</u>	<u>58</u>
<u>Computer Science & Algorithms Pathway</u>	<u>61</u>
<u>Cybersecurity Pathway</u>	<u>63</u>
<u>Engineering Design Pathway</u>	<u>65</u>
<u>Electrical Engineering Pathway</u>	<u>67</u>

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

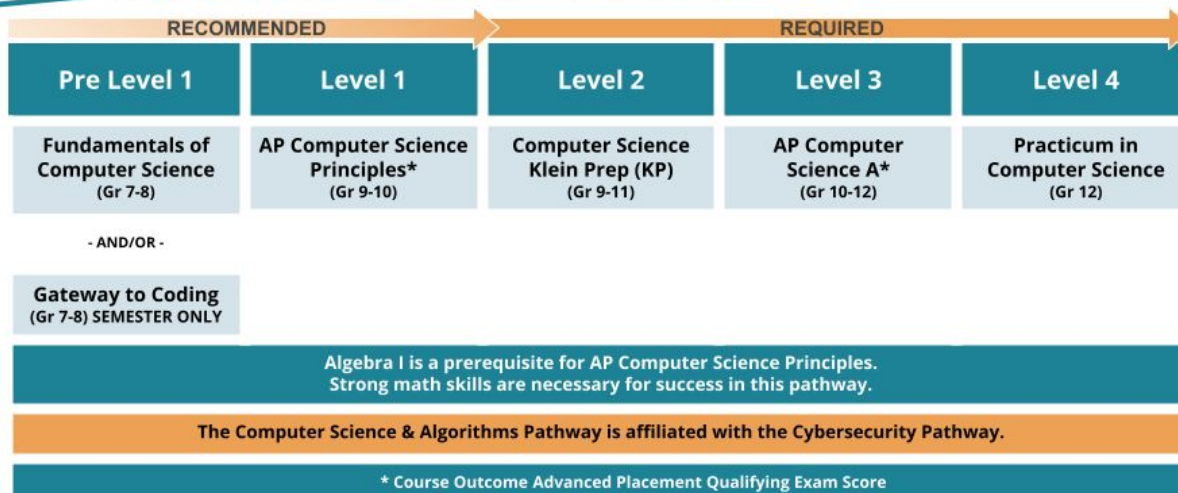
Index



Advanced Computer Science & Algorithms Pathway



STEM AND/OR BUSINESS & INDUSTRY ENDORSEMENT



FUNDAMENTALS OF COMPUTER SCIENCE

KISD Code: 9141J18

Grade: 7 - 8 1 credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 3580140

This year-long course is intended as a first course for those who are just beginning their study of computer science. You will learn about the computing tools that are used every day, while developing their ability to creatively solve real-world problems. This course introduces the basics of programming, the foundations of designing a web page with HTML/CSS, and how information is represented digitally and sent over the internet.

Required Fee/Materials: No

Industry Certification: None

GATEWAY TO CODING

KISD Code: 9489J18

Grade: 7 - 8 0.5 credit

Grade Points: 5.0

Prerequisite: No

PEIMS: N1303758

Students will design and develop a physical computing device, interactive art installation, and plan and develop code for microcontrollers that bring their physical designs to life. Students will also computationally analyze and develop solutions to authentic problems through mobile app development. Students will customize their experience by choosing a problem that interests them from the areas of health, environment, emergency preparedness, education, community service, and school culture.

Required Fee/Materials: \$15

Industry Certification: None

ADVANCED PLACEMENT® COMPUTER SCIENCE PRINCIPLES

KISD Code: 4902

Grade: 9 thru 10

Grade Points: 6.0 1 credit

Prerequisite: Algebra 1

PEIMS: A3580300

AP® Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

It is important to note that the AP Computer Science Principles course does not have a designated programming language. Teachers have the flexibility to choose a programming language(s) that is most appropriate for their students to use in the classroom. **Students must take the AP® exam and submit portfolio tasks to attain college credit.**

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



COMPUTER SCIENCE KLEIN PREP (KP)

KISD Code: 4900Q

Grade: 9 - 11 1.0 Credit

Grade Points: 6.0

Prerequisite: Algebra 1

PEIMS: 3580200

Students in Klein ISD advanced Klein Prep (KP) Courses are expected to research, analyze, and propose solutions to real-world problems based on the practice of interdisciplinary study, literary analysis, problem-based learning, communication, collaboration, goal setting, and self-reflection. To demonstrate mastery of academic content and attainment of postsecondary readiness skills, students will create advanced/sophisticated products and presentations. Get familiar with the concepts and tools of computer science as you learn a subset of the Java programming language. Learn what variables, objects, and arrays are in the context of object-oriented programming. You will do hands-on work to develop algorithms, write code, test and correct errors in computer programs that solve problems or accomplish tasks to a given scenario.

Required Fee/Materials: No

Industry Certification: None

ADVANCED PLACEMENT® COMPUTER SCIENCE A

KISD Code: 4901; 4901L (LOTE)

Grade: 10 - 12 2 Credit

Grade Points: 6.0

Prerequisite: Algebra I and Computer Science Klein Prep (KP)

PEIMS: A3580110 (MATH) A3580120(LOTE)

AP® Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. Important: students must understand that any significant computer science course builds upon a foundation of mathematical reasoning that should be acquired before attempting such a course. The course emphasizes object-oriented programming and design using the Java programming language. AP® Computer Science A is equivalent to a first-semester, college level course in computer science. **Students must take the AP®**

Exam to attain college credit.

Required Fee/Materials: No

Industry Certification: None

Note: Completion of AP® Computer Science Higher Level satisfies one advanced mathematics requirement and one LOTE requirement for graduation.

PRACTICUM IN COMPUTER SCIENCE

KISD Code: 946018

Grade: 12 2 Credit

Grade Points: 5.5 (6.0 Class of 2025)

Prerequisite: AP Computer Science A

PEIMS: 13037400

This course is a project-based course for students to research and develop high-level programming language concepts. Students will build portfolios, solve problems, and create products for school and community. Design principles and software skill sets should be interwoven into real products.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



INTERNATIONAL BACCALAUREATE® COMPUTER SCIENCE Standard Level (Klein Oak HS Only)

KISD Code: 3426 (accelerated course) or 3426SL1 and 3426SL2

Grade: 11 -12 1 Credit per year of study

Grade Points: 6.0

Prerequisite: One credit of computer science

PEIMS: I3580200

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). IB Computer Science explores how computer science interacts with and influences cultures, society, and how individuals/societies behave, and the ethical issues involved. Students will be able to trace algorithms, utilize software designs, understand arrays, computer systems/networks/algorithms, and design, prototype, and test proposed solutions to unanswered questions. Time spent on the program internal assessment is an important part of the course and will be utilized to demonstrate mastery of the programming language of the course (Java). This course culminates in the completion of the IB Computer Science SL exam in May; exam fees apply.

Required Fee/Materials: No

Industry Certification: None

Note: Completion of IB Computer Science SL will satisfy one LOTE requirement for graduation.

INTERNATIONAL BACCALAUREATE® COMPUTER SCIENCE Higher Level (Klein Oak HS Only)

KISD Code: 3428HLM

Grade: 12 1 Credit

Grade Points: 6.0

Prerequisite: Successful completion of IB Computer Science SL1

PEIMS: I3580310(MATH) I3580320(LOTE)

Students may choose to enhance the breadth/depth of study in Computer Science by enrolling in IB Computer Science HL following year 1 of IB Computer Science SL. IB Computer Science explores the logic, and technology related issues. Students are expected to write programs using an object-oriented approach, analyze and formulate success criteria, solution specifications, and appropriate techniques with a specified solution.. Time spent on the program internal assessment is an important part of the course and will be utilized to demonstrate mastery of the programming language of the course (Java). This course culminates in the completion of the IB Computer Science HL exam in May; exam fees apply.

Required Fee/Materials: No

Industry Certification: None

Note: Completion of IB Computer Science Higher Level will satisfy one advanced mathematics requirement and one LOTE requirement for graduation. This course is only offered at Klein Oak as part of the IB Program.

INDEPENDENT STUDY IN COMPUTER SCIENCE I

KISD Code: 4907

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Computer Science AP® or Computer Science 3

PEIMS: 3580900

Independent Study in Computer Science is a project-based course for students to research and develop high-level programming language concepts. You will build portfolios, solve problems, and create products for school and community. Design principles and software skill sets should be interwoven into real products.

Required Fee/Materials: No

Industry Certification: None

INDEPENDENT STUDY IN COMPUTER SCIENCE II

KISD Code: 4908

Grade: 12 1 Credit

Grade Points: 5.5

Prerequisite: Independent Study in Computer

PEIMS: 3581000

Independent Study in Computer Science II is continuation of the project-based course for students to research and develop high level programming language concepts. You will build portfolios, solve problems, and create products for school and community. Design principles and software skill sets should be interwoven into real products.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

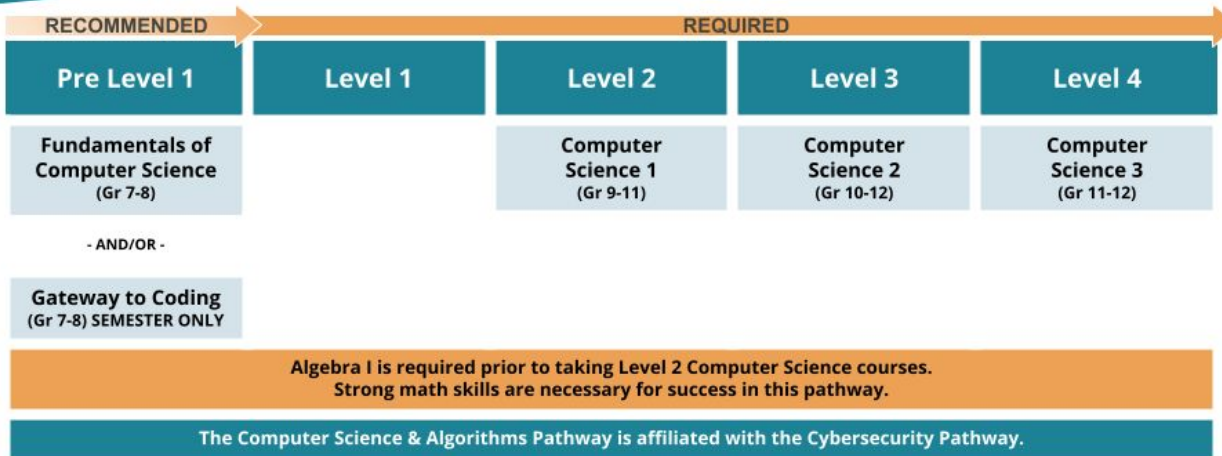
Course Fees

Index



Computer Science & Algorithms Pathway

STEM AND/OR BUSINESS & INDUSTRY ENDORSEMENT



FUNDAMENTALS OF COMPUTER SCIENCE

KISD Code: 9141J18

Grade: 7 - 8 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 3580140

This year-long course is intended as a first course for those who are just beginning their study of computer science. You will learn about the computing tools that are used every day, while developing their ability to creatively solve real-world problems. This course introduces the basics of programming, the foundations of designing a web page with HTML/CSS, and how information is represented digitally and sent over the internet.

Required Fee/Materials: No

Industry Certification: None

GATEWAY TO CODING

KISD Code: 9489J18

Grade: 7 - 8 0.5 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: N1303758

Students will design and develop a physical computing device, interactive art installation, and plan and develop code for microcontrollers that bring their physical designs to life. Students will also computationally analyze and develop solutions to authentic problems through mobile app development. Students will customize their experience by choosing a problem that interests them from the areas of health, environment, emergency preparedness, education, community service, and school culture.

Required Fee/Materials: \$15

Industry Certification: None

COMPUTER SCIENCE 1

KISD Code: 4900

Grade: 9 - 11 1 Credit

Grade Points: 5.5

Prerequisite: Algebra 1

PEIMS: 3580200

Get familiar with the concepts and tools of computer science as you learn a subset of the Java programming language. Learn what variables, objects, and arrays are in the context of object-oriented programming. You will do hands-on work to develop algorithms, write code, test and correct errors in computer programs that solve problems or accomplish tasks to a given scenario.

Required Fee/Materials: No

Industry Certification: None

COMPUTER SCIENCE 2

KISD Code: 4903

Grade: 10 thru 12 1 Credit

Grade Points: 5.5

Prerequisite: Computer Science 1 or KP Computer Science 1

PEIMS: 3580300

Students will work with more complex concepts and tools of the Java programming language. You will do hands-on work to develop algorithms, write code, test and correct errors in computer programs that solve problems or accomplish tasks to a given scenario.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

COMPUTER SCIENCE 3

KISD Code: 4906

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Computer Science II or AP® Computer Science A

PEIMS: 3580350

Students will work with more complex concepts and tools of the Java programming language. You will develop fundamental programming skills using a language that supports an object-oriented approach, incorporating security awareness, human-computer interactions and social responsibility.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN COMPUTER SCIENCE

KISD Code: 946018

Grade: 12 2 Credit

Grade Points: 5.5 (6.0 Class of 2025)

Prerequisite: AP® Computer Science A

PEIMS: 13037400

This course is a project-based course for students to research and develop high-level programming language concepts. You will build portfolios, solve problems, and create products for school and community. Design principles and software skill sets should be interwoven into real products.

Required Fee/Materials: No

Industry Certification: None

INDEPENDENT STUDY IN COMPUTER SCIENCE I

KISD Code: 4907

Grade: 11 -12 1 Credit

Grade Points: 5.5

Prerequisite: Computer Science AP or Computer Science 3

PEIMS: 3580900

Independent Study in Computer Science is a project-based course for students to research and develop high-level programming language concepts. You will build portfolios, solve problems, and create products for school and community. Design principles and software skill sets should be interwoven into real products. .

Required Fee/Materials: No

Industry Certification: None

INDEPENDENT STUDY IN COMPUTER SCIENCE II

KISD Code: 4908

Grade: 12 1 Credit

Grade Points: 5.5

Prerequisite: Independent Study in Computer

PEIMS: 3581000

Independent Study in Computer Science II is a continuation of the project-based course for students to research and develop high level programming language concepts. You will build portfolios, solve problems, and create products for school and community. Design principles and software skill sets should be interwoven into real products.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

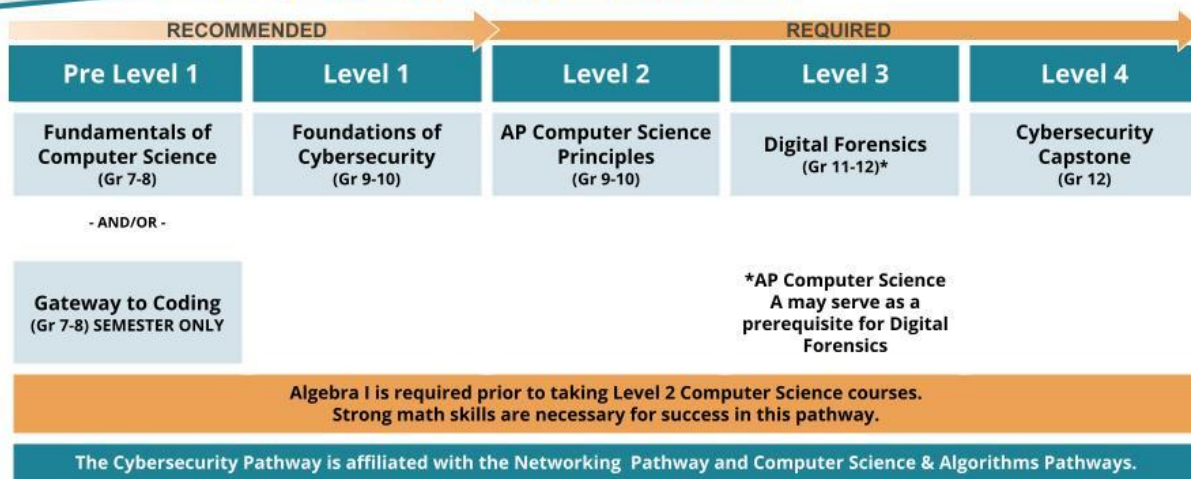
Index



Cybersecurity Pathway



STEM AND/OR BUSINESS & INDUSTRY ENDORSEMENT



FUNDAMENTALS OF COMPUTER SCIENCE

KISD Code: 9141J18

Grade: 7 - 8 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 3580140

This year-long course is intended as a first course for those who are just beginning their study of computer science. You will learn about the computing tools that are used every day, while developing their ability to creatively solve real-world problems. This course introduces the basics of programming, the foundations of designing a web page with HTML/CSS, and how information is represented digitally and sent over the internet.

Required Fee/Materials: No

Industry Certification: None

GATEWAY TO CODING

KISD Code: 9489J18

Grade: 7 - 8 0.5 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: N1303758

Students will design and develop a physical computing device, interactive art installation, and plan and develop code for microcontrollers that bring their physical designs to life. Students will also computationally analyze and develop solutions to authentic problems through mobile app development. Students will customize their experience by choosing a problem that interests them from the areas of health, environment, emergency preparedness, education, community service, and school culture.

Required Fee/Materials: \$15

Industry Certification: None

FOUNDATIONS OF CYBERSECURITY

KISD Code: 946218

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 3580850

You will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. As computing has become more sophisticated, so too have the abilities of malicious agents looking to penetrate networks and seize private information. By evaluating prior incidents, cybersecurity professionals have the ability to craft appropriate responses to minimize disruptions to corporations, governments, and individuals. You will examine trends and operations of cyberattacks, threats, and vulnerabilities. You will review and explore security policies designed to mitigate risks.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



ADVANCED PLACEMENT® COMPUTER SCIENCE PRINCIPLES

KISD Code: 4902

Grade: 9 - 10 1 Credit

Grade Points: 6

Prerequisite: Algebra 1

PEIMS: A3580300

AP® Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

It is important to note that the AP Computer Science Principles course does not have a designated programming language. Teachers have the flexibility to choose a programming language(s) that is most appropriate for their students to use in the classroom. **Students must take the AP® exam and submit portfolio tasks to attain college credit.**

Required Fee/Materials: No

Industry Certification: None

DIGITAL FORENSICS

KISD Code: 946118

Grade: 11-12 1 Credit

Grade Points: 5.5

Prerequisite: AP Computer Science Principles or AP Computer Science A

PEIMS:

Digital Forensics will foster students' creativity and innovation by presenting opportunities to investigate simulations and case studies of crimes, reconstructing computer security incidents, troubleshooting operational problems, and recovering from accidental system damage. Students will collaborate to develop forensic techniques to assist with computer security incident response. Students will learn methods to identify, collect, examine, and analyze data while preserving the integrity of the information and maintaining a strict chain of custody for data. Students will solve problems as they study the application of science to the law. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computing and networking systems that transmit or store electronic data.

Required Fee/Materials: No

Industry Certification: None

Note: None

CYBERSECURITY CAPSTONE

KISD Code: 946318

Grade: 12 1 Credit

Grade Points: 5.5 (6.0 Class of 2025)

Prerequisite: AP Computer Science A

PEIMS: 3580855

The Cybersecurity Capstone course will give you the opportunity to explore and examine trends and operations of cyberattacks, threats, and vulnerabilities. You will develop security policies to mitigate risks. The skills obtained in this course will prepare you for additional study toward industry certification. Cybersecurity Capstone may serve as a culminating course in this field of study.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

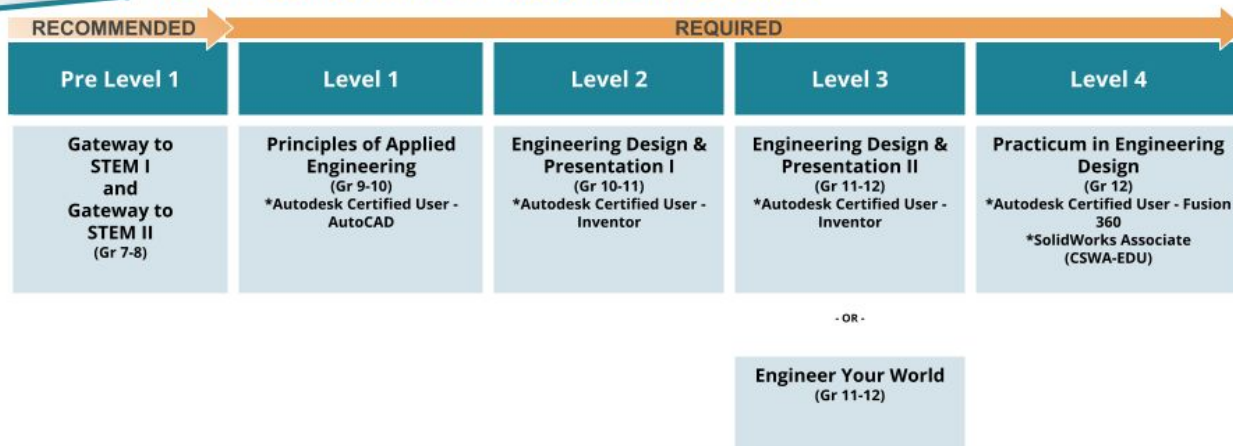
Course Fees

Index



Engineering Design Pathway

STEM AND/OR BUSINESS & INDUSTRY ENDORSEMENT



*Industry-Based Certification Course Outcome

GATEWAY TO STEM I

KISD Code: 9487J18

Grade: 7 - 8 0.5 Credit

Grade Points: 5.0

Prerequisite: Strong Math and Science Skills

PEIMS: N1303756

You will discover the design process and develop an understanding of the influence of creativity and innovation in your life. This course focuses on the Design and Modeling unit from the Project Lead the Way (PLTW) curriculum. You will work in teams to design orthotics and toys for children with disabilities. Using design software, you will create a virtual image of your design as well as capture research and ideas in an engineering notebook. You will learn to work effectively in groups in effective and inclusive ways.

Required Fee/Materials: \$30

Industry Certification: None

Note: None

GATEWAY TO STEM II

KISD Code: 9488J18

Grade: 7 - 8 0.5 Credit

Grade Points: 5.0

Prerequisite: Strong Math and Science Skills and Gateway to Stem I

PEIMS: N1303757

You will learn about the history and impact of automation and robotics as you explore mechanical systems, energy transfer, machine automation, and computer control systems. The focus of this course is the Automation and Robotics unit from Project Lead the Way. Using design software, you will create a virtual image of your design as well as capture research and ideas in an engineering notebook. You will understand and apply the physics of speed and torque as you build basic gear mechanisms. You will use a robotics platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms.

Required Fee/Materials: No

Industry Certification: None

PRINCIPLES OF APPLIED ENGINEERING

KISD Code: 947018

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: Strong Math Skills

PEIMS: 13036200

Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware, software applications, and Autodesk AutoCAD to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10

Industry Certification: Autodesk Certified User in AutoCAD

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

ENGINEERING DESIGN & PRESENTATION I

KISD Code: 947418

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Applied Engineering

PEIMS: 13036500

You will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. You will use a variety of computer hardware and software applications to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: Autodesk Certified User - Inventor

ENGINEERING DESIGN & PRESENTATION II

KISD Code: 936818

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Engineering Design and Presentation I

PEIMS: 13036600

You will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to prototypes. You will use a variety of computer hardware, such as laser engravers and CNC machines, and software applications to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: Autodesk Certified User - Inventor

ENGINEER YOUR WORLD

KISD Code: 949018

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Engineering Design and Presentation I

PEIMS: 13037300

Developed by a team of University of Texas faculty and NASA engineers, Engineer Your World engages you in authentic engineering practices in a project-based environment. You will complete a series of socially relevant design challenges to develop engineering design skills and habits of mind. This course covers the breadth of engineering fields and professions so that you can make informed decisions about pursuing engineering. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$20

Industry Certification: None

PRACTICUM IN ENGINEERING DESIGN

KISD Code: 936918

Grade: 12 2 Credit

Grade Points: 5.5 (6.0 Class of 2025)

Prerequisite:

PEIMS: 13037400

Engineering Design and Presentation II

Students in this course will design complex and detailed products and prototypes related to various categories of engineering. Auxiliary views, descriptive geometry, patterns and developments and dimensioning and notation are emphasized. This course will be conducted in a classroom/laboratory setting. You will also have the opportunity to complete training for additional industry certifications. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: SolidWorks Associate (CSWA-EDU) or Autodesk Certified User Fusion 360

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Electrical Engineering Pathway



STEM AND/OR BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Gateway to STEM I and Gateway to STEM II (Gr 7-8)	Principles of Applied Engineering (Gr 9-10)	AC/DC Electronics (Gr 10-11)	Solid State Electronics (Gr 11-12)	TBD (Gr 12)

GATEWAY TO STEM I

KISD Code: 9487J18

Grade: 7 - 8 0.5 Credit

Grade Points: 5.0

Prerequisite: Strong Math and Science Skills

PEIMS: N1303756

You will discover the design process and develop an understanding of the influence of creativity and innovation in your life. This course focuses on the Design and Modeling unit from the Project Lead the Way (PLTW) curriculum. You will work in teams to design orthotics and toys for children with disabilities. Using design software, you will create a virtual image of your design as well as capture research and ideas in an engineering notebook. You will learn to work effectively in groups in effective and inclusive ways.

Required Fee/Materials: \$30

Industry Certification: None

Note: None

GATEWAY TO STEM II

KISD Code: 9488J18

Grade: 7 - 8 0.5 Credit

Grade Points: 5.0

Prerequisite: Strong Math and Science Skills and Gateway to Stem I

PEIMS: N1303757

You will learn about the history and impact of automation and robotics as you explore mechanical systems, energy transfer, machine automation, and computer control systems. The focus of this course is the Automation and Robotics unit from Project Lead the Way. Using design software, you will create a virtual image of your design as well as capture research and ideas in an engineering notebook. You will understand and apply the physics of speed and torque as you build basic gear mechanisms. You will use a robotics platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms.

Required Fee/Materials: No

Industry Certification: None

PRINCIPLES OF APPLIED ENGINEERING

KISD Code: 947018

Grade: 9 -10 1 Credit

Grade Points: 5.0

Prerequisite: Strong Math Skills

PEIMS: 13036200

Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware, software applications, and Autodesk AutoCAD to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10

Industry Certification: Autodesk Certified User in AutoCAD

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



AC/DC ELECTRONICS

KISD Code: 963818

Grades: 10-11 1 Credit

Grade Points: 5.5

PEIMS: 13036800

Prerequisite: Principles of Applied Engineering

AC/DC Electronics focuses on the basic electricity principles of alternating current/direct current (AC/DC) circuits. Students will demonstrate knowledge and applications of circuits, electronic measurement, and electronic implementation. Students will use a variety of computer hardware and software applications to complete assignments and projects.

Required Fee/Materials: \$15

SOLID STATE ELECTRONICS

KISD Code: 963918

Grades: 11-12 1 Credit

Grade Points: 5.5

PEIMS: 13036900

Prerequisite: AC/DC Electronics

In Solid State Electronics, students will demonstrate knowledge and applications of advanced circuits, electrical measurement, and electrical implementation used in the electronics and computer industries. Students will transfer advanced academic skills to apply engineering principles and technical skills to troubleshoot, repair, and modify electronic components, equipment, and power electronic systems in a project-based environment. Additionally, students will explore career opportunities, employer expectations, and educational needs in the electronics industry.

Required Fee/Materials: \$15

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Business & Industry Endorsement

AGRICULTURE, FOOD & NATURAL RESOURCES

<u>Animal Science/Veterinary Medical Assistant Pathway</u>	<u>70</u>
<u>Applied Agriculture Engineering Pathway</u>	<u>72</u>
<u>Environmental & Natural Resources Pathway</u>	<u>73</u>
<u>Plant & Floral Science Pathway</u>	<u>74</u>

ARCHITECTURE & CONSTRUCTION

<u>Architectural Design Pathway</u>	<u>76</u>
<u>Construction Technology Pathway</u>	<u>78</u>

AGRICULTURE

<u>Electrical Technology College Pathway</u>	<u>79</u>
<u>HVAC & Refrigeration Technology Pathway</u>	<u>81</u>
<u>Interior Design Pathway</u>	<u>82</u>

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

<u>Animation Pathway</u>	<u>84</u>
<u>Audio/Video Production Pathway</u>	<u>86</u>
<u>Fashion Design Pathway</u>	<u>88</u>
<u>Video Game Programming & Design Pathway</u>	<u>90</u>
<u>Broadcast Production Pathway</u>	<u>92</u>
<u>Newspaper Production Pathway</u>	<u>94</u>
<u>Yearbook Production Pathway</u>	<u>96</u>

BUSINESS, MARKETING & FINANCE

<u>Accounting & Financial Services Pathway</u>	<u>98</u>
<u>Business Management</u>	<u>101</u>
<u>Entrepreneurship Pathway</u>	<u>102</u>
<u>Marketing & Sales Pathway</u>	<u>104</u>

HOSPITALITY & TOURISM

<u>Culinary Arts Pathway</u>	<u>106</u>
------------------------------	------------

INFORMATION TECHNOLOGY

<u>Network Design Pathway</u>	<u>108</u>
-------------------------------	------------

MANUFACTURING

<u>Robotics Pathway</u>	<u>110</u>
<u>Welding Pathway</u>	<u>112</u>

TRANSPORTATION, DISTRIBUTION & LOGISTICS

<u>Automotive Technology Pathway</u>	<u>114</u>
<u>Small Engine Technology Pathway</u>	<u>115</u>

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

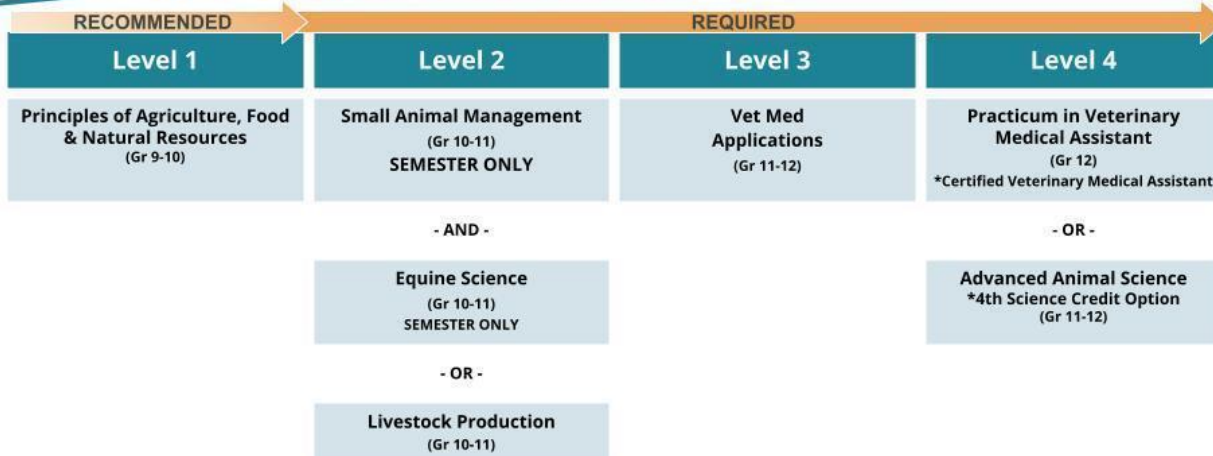
Index



Animal Science / Veterinary Medical Assistant Pathway



BUSINESS & INDUSTRY AND/OR STEM ENDORSEMENT



*Industry-Based Certification Course Outcome

PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

KISD Code: 904018
Grade: 9 - 10 1 Credit
Grade Points: 5.0
Prerequisite: None
PEIMS: 13000200

Through this course, you will learn about the diverse and exciting world of agriscience and careers within the agricultural science industry, as well as prepare for more advanced courses. You will be covering key concepts, including food products and processing systems, animal systems, environmental service systems, plant science systems and more. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None

SMALL ANIMAL MANAGEMENT

KISD Code: 907718
Grade: 10 - 11 0.5 Credit
Grade Points: 5.0
Prerequisite: None
PEIMS: 13000400

In this course you will be given the opportunity to learn, reinforce, and apply information in a variety of settings in the areas of small animal, systems/business and associations. Subject areas in this course to be covered are, but not limited to, small mammals, amphibians, reptiles, birds, dogs, cats and species-specific information. Study will also highlight ownership, hazards, and welfare of small animals. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None

EQUINE SCIENCE

KISD Code: 907218
Grade: 10 - 11 0.5 Credit
Grade Points: 5.0
Prerequisite: None
PEIMS: 13000500

This course is an overview of equine science, including equine evolution, breeds and breeding, selection and confirmation, nutrition and feeding, facilities, handling, and health management. You will have the opportunity to explore careers in the equine industry. This course is designed for students exploring the equine industry as a career or in just having a horse as a hobby. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



LIVESTOCK PRODUCTION

KISD Code: 906918

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13000300

You will develop knowledge and skills pertaining to the nutrition, reproduction, health and management of domestic livestock. Livestock Production will address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. You have the opportunity to study animal systems, animal restraint, business management, and explore career opportunities through this project based course. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

VETERINARY MEDICAL APPLICATIONS

KISD Code: 907418

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Small Animal and Equine Science or Livestock Production

PEIMS: 13000600

Students will be provided opportunities to demonstrate proper knowledge and skills in the veterinary medicine industry. Topics to be covered in this course are, but not limited to, veterinary practices and knowledge as they relate to both large and small animal species. Subject areas include animal behavior, communication, species/breed information, diseases/disorders, parasites, clinical examinations, imaging equipment, hematology, hospital procedures, and surgical assisting procedures. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM VETERINARY MEDICAL ASSISTING

KISD Code: 907618

Grade: 12 2 Credit

Grade Points: 5.5 (6.0 Class of 2025)

Prerequisite: Veterinary Medical Applications and Approval Process

PEIMS: 13002500

Students will participate in a continuation of the Veterinary Medical Applications course gaining more in-depth knowledge in animal anatomy, animal disease, treatment techniques, lab procedures, emergency procedures, and clinical operations. Students will be required to participate in clinical rotations, gaining hands-on experiences working in various veterinary assistant positions. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: Certified Veterinary Assistant (CVA)

ADVANCED ANIMAL SCIENCE

KISD Code: 907018

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock Production or Vet Med Applications

PEIMS: 13000700

Are you preparing for a career in the animal science industry? Students who take this course will gain the opportunity to participate in experiments, laboratory explorations, and the study of animal science topics such as reproduction, breeding, genetics, anatomy, physiology, nutrition, health, and the marketing and harvesting of domestic livestock. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: 4th Science Credit Option

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Applied Agriculture Engineering Pathway



BUSINESS & INDUSTRY AND/OR STEM ENDORSEMENT

RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Principles of Agriculture, Food & Natural Resources (Gr 9-10)	Agricultural Mechanics & Metal Technologies (Gr 10-11)	Agricultural Structures Design & Fabrication/Lab (Gr 11-12) *American Welding Society D1.1 & D9.1	Practicum in Applied Agriculture Engineering (Gr 12) *American Welding Society D1.1 & D9.1
*Industry-Based Certification Course Outcome			

PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

KISD Code: 904018

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13000200

Through this course, you will learn about the diverse and exciting world of agriscience and careers within the agricultural science industry, as well as prepare for more advanced courses. You will be covering key concepts, including food products and processing systems, animal systems, environmental service systems, plant science systems and more. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

AGRICULTURAL MECHANICS & METAL TECHNOLOGIES

KISD Code: 906118

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13002200

Students will be introduced to basic theory and gain specialized skills in agricultural mechanics. Skills to be developed include identification and safe use of tools, carpentry, electricity, plumbing, masonry, fencing, painting, hot and cold metalworking, and welding processes. Construction of projects will be included in this course. Students will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: None

AGRICULTURAL STRUCTURES DESIGN & FABRICATIONS/LAB

KISD Code: 907918

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: Agriculture Mechanics and Metal Technologies

PEIMS: 13002310

Students will learn the basic principles of agricultural mechanics, including: blueprint reading and implementation, building site location, CNC drafting and application, carpentry and construction, electrical and plumbing systems, concrete and masonry construction, metal construction and large project building. Students will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50

Industry Certification: American Welding Society D1.1 & D9.1

PRACTICUM IN APPLIED AGRICULTURE ENGINEERING

KISD Code: 908618

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: Ag Structures Design and Fabrication

PEIMS: 13002500

In this course you will participate in a laboratory-oriented course designed to teach the basic principles of agricultural mechanics, including: blueprint reading and implementation, building site location, CNC drafting and application, carpentry and construction, electrical and plumbing systems, concrete and masonry construction, metal construction and large project building. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50

Industry Certification: American Welding Society D1.1 & D9.1

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Environmental & Natural Resources Pathway



BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Principles of Agriculture, Food & Natural Resources (Gr 9-10)	Wildlife, Fisheries & Ecology Management (Gr 10-11) *Hunter Safety and/or Boater Education	Energy & Natural Resources (Gr 11-12)	Scientific Research & Design in Natural Resources (Gr 12)
*Industry-Based Certification Course Outcome			

PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

KISD Code: 904018

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13000200

Through this course, you will learn about the diverse and exciting world of agriscience and careers within the agricultural science industry, as well as prepare for more advanced courses. You will be covering key concepts, including food products and processing systems, animal systems, environmental service systems, plant science systems and more. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

WILDLIFE, FISHERIES & ECOLOGY MANAGEMENT

KISD Code: 904618

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13001500

Interested in the outdoors? In this course you will examine the importance of wildlife and outdoor recreation with emphasis on utilizing wildlife, fish and natural resources and their management practices. Hunter, boater, and angler safety instruction are components of this class. Research into occupational opportunities, identification, and laws associated with game, non-game, fur-bearing and fish species are included. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization.

Required Fee/Materials: No

Industry Certification: Hunter's Safety Certification Exam & Boater Education Certification Exam

ENERGY AND NATURAL RESOURCES

KISD Code: 904818

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Wildlife, Fisheries & Ecology Management

PEIMS: 13001100

You will evaluate the environmental benefits provided by sustainable resources and green technologies. Instruction is designed to allow for the application of science and technology to measure environmental impacts resulting from production agriculture. To prepare for careers in environmental service systems, you must attain academic skills and knowledge, acquire advanced technical knowledge and skills related to environmental service systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

SCIENTIFIC RESEARCH AND DESIGN IN NATURAL RESOURCES

KISD Code: 946918

Grade: 12 1 Credit

Grade Points: 6.0

Prerequisite: Energy & Natural Resources

PEIMS: 13037200

Students will explore the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions in relation to natural resources. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Plant & Floral Science Pathway

BUSINESS & INDUSTRY AND/OR STEM ENDORSEMENT

RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Principles of Agriculture, Food & Natural Resources (Gr 9-10)	Floral Design (Gr 10-12) *TSFA Knowledge Content/Level I	Advanced Floral Design (Gr 11-12) *TSFA Level I	Practicum in Horticulture & Floral Design (Gr 12) *TSFA Level II
- OR -		- OR -	
Horticulture Science (Gr 10-11)		Advanced Plant & Soil Science *4th Science Credit Option (Gr 11-12)	
*Industry-Based Certification Course Outcome			

PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

KISD Code: 904018
Grade: 9 - 10 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13000200

Through this course, you will learn about the diverse and exciting world of agriscience and careers within the agricultural science industry, as well as prepare for more advanced courses. You will be covering key concepts, including food products and processing systems, animal systems, environmental service systems, plant science systems and more. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None

FLORAL DESIGN

KISD Code: 905318
Grade: 10 - 12 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13001800

You will develop and examine floral design in relation to arrangement of flowers, foliage, and related plant materials for interior locations. This course incorporates business practices and careers in the floral industry. You will be responsible for purchasing materials or assessed a fee associated with this course. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$115
Industry Certification: Texas State Floral Association
Note: Floral Skills Knowledge Content/Level I

HORTICULTURE SCIENCE

KISD Code: 905018
Grade: 10 - 11 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13002000

Horticulture Science is designed to develop an understanding of common plant management practices as they relate to food and ornamental plant production. You will participate in a laboratory-oriented course, that includes project based experiences in the greenhouse, designed to develop skills in the production of greenhouse/nursery plants and the maintenance of plant growth and propagation structures. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

ADVANCED FLORAL DESIGN

KISD Code: 905718

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Floral Design

PEIMS: N1300270

Are you creative and interested in event planning? In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$115

Industry Certification: Texas State Floral Association Level 1

ADVANCED PLANT & SOIL SCIENCE

KISD Code: 907118

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Floral Design or Horticulture Science and Biology, Integrated Physics and Chemistry, Chemistry, or Physics

PEIMS: 13002100

This course provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. A majority of this class is based on hands-on, lab and project based learning experiences. Students will also have the opportunity to participate in extended learning experiences, such as the Ag Science Fair, by joining the National FFA Organization. This is a 4th credit option. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN HORTICULTURE & FLORAL DESIGN

KISD Code: 905218

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Advanced Floral Design

PEIMS: 13002500

You will participate in a laboratory-oriented course designed to develop the skills used in various aspects of the Floral Design and Horticulture industries. The major focus is preparing individuals to perform common floral design skills and increasing knowledge of horticulture science. The course emphasizes on running and operating a floral design business, the TSFA (Texas State Floral Association) Level 2 Certification, and horticultural management practices as they relate to ornamental plant production. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$165

Industry Certification: Texas State Floral Association Level 2

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Architectural Design Pathway

BUSINESS & INDUSTRY AND/OR STEM ENDORSEMENT

REQUIRED			
Level 1	Level 2	Level 3	Level 4
Principles of Architecture (Gr 9-10)	Architectural Design I (Gr 10-11) *Autodesk AutoCAD	Architectural Design II (Gr 11-12) *Autodesk Revit	Practicum in Architectural Design (Gr 12)
- OR -			
Career Preparation (Architecture Focus) (Gr 11-12)			
*Industry-Based Certification Course Outcome			

PRINCIPLES OF ARCHITECTURE

KISD Code: 948118
Grade: 9 - 10 1 Credit
Grade Points: 5.0
Prerequisite: None
PEIMS: 13004210

You will gain knowledge of the various fields of architecture, interior design, and construction management. This course includes communication of architecture related assignments through computer graphics, modeling, and presentations. Students will use a variety of computer hardware and software applications to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10
Industry Certification: None

ARCHITECTURAL DESIGN I

KISD Code: 947218
Grade: 10 - 11 1 Credit
Grade Points: 5.0
Prerequisite: Principles of Architecture
PEIMS: 13004600

You will gain knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. This course includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scale models for commercial or residential architectural purposes. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10
Industry Certification: Autodesk AutoCAD

ARCHITECTURAL DESIGN II

KISD Code: 947318
Grade: 11 - 12 2 Credit
Grade Points: 5.5
Prerequisite: Architectural Design I
PEIMS: 13004700

This course includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scale models for commercial or residential architectural purposes. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10
Industry Certification: Autodesk Revit

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



PRACTICUM IN ARCHITECTURAL DESIGN

KISD Code: 947518

Grade: 12 2 Credit

Grade Points: 5.5 (6.0 Class of 2025)

Prerequisite: Architectural Design II

PEIMS: 13004800

You will participate in a course that promotes independent study which may include internships and professional mentorships. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10

Industry Certification: None

CAREER PREPARATION I (Architecture Focus)

KISD Code: 967718

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process

PEIMS: 12701300

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school, have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Construction Technology Pathway



BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Principles of Construction (Gr 9-10)	Construction Technology I (Gr 10-11)	Construction Technology II (Gr 11-12) *OSHA 30 Construction	Practicum in Construction Technology (Gr 12)
*Industry-Based Certification Course Outcome			
This Pathway is offered exclusively at Klein Forest High School.			

PRINCIPLES OF CONSTRUCTION

KISD Code: 961618

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13004220

You will develop a solid foundation for entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: Offered at Klein Forest High School

CONSTRUCTION TECHNOLOGY I

KISD Code: 961818

Grade: 10 - 11 2 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13005100

You will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors. You will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: None

Note: Offered at Klein Forest High School

CONSTRUCTION TECHNOLOGY II

KISD Code: 962018

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Construction Technology I

PEIMS: 13005200

You will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors. You will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: OSHA 30 Construction

Note: Offered at Klein Forest High School

PRACTICUM IN CONSTRUCTION TECHNOLOGY

KISD Code: 961718

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Construction Technology II

PEIMS: 13005250

Students will continue to build skills needed to enter the workforce in a construction related field. This course is classroom/laboratory based. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: None

Note: Offered at Klein Forest High School

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

Electrical Technology College Pathway



BUSINESS & INDUSTRY AND/OR STEM ENDORSEMENT

RECOMMENDED		REQUIRED		
Recommended	Level 1	Level 2	Level 3	Level 4
Gateway to STEM I and Gateway to STEM II (Gr 8)	Principles of Construction (Gr 9)	AC/DC Electronics Dual Credit ELPT 1321, ELPT 1311 (Gr 10)	Electrical Technology I Dual Credit ELPT 1325, ELPT 1329, ELPT 1315 (Gr 11)	Electrical Technology II Dual Credit ELPT 2325, ELPT 1345, DFTG 2307 (Gr 12)
Lone Star College Credential: Electrical Technology Level I Certificate				
This College Pathway Requires Completion of EDUC 1300 Prior to Grade 10.				
This Pathway is exclusively offered at Klein Forest High School.				

GATEWAY TO STEM I

KISD Code: 9487J18

Grade: 7 - 8 0.5 Credit

Grade Points: 5.0

Prerequisite: Strong Math and Science Skills

PEIMS: N1303756

You will discover the design process and develop an understanding of the influence of creativity and innovation in your life. This course focuses on the Design and Modeling unit from the Project Lead the Way (PLTW) curriculum. You will work in teams to design orthotics and toys for children with disabilities. Using design software, you will create a virtual image of your design as well as capture research and ideas in an engineering notebook. You will learn to work effectively in groups in effective and inclusive ways.

Required Fee/Materials: \$30

Industry Certification: None

GATEWAY TO STEM II

KISD Code: 9488J18

Grade: 7 - 8 0.5 Credit

Grade Points: 5.0

Prerequisite: Strong Math and Science Skill and Gateway to Stem I

PEIMS: N1303757

You will learn about the history and impact of automation and robotics as you explore mechanical systems, energy transfer, machine automation, and computer control systems. The focus of this course is the Automation and Robotics unit from Project Lead the Way. Using design software, you will create a virtual image of your design as well as capture research and ideas in an engineering notebook. You will understand and apply the physics of speed and torque as you build basic gear mechanisms. You will use a robotics platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms.

Required Fee/Materials: No

Industry Certification: None

PRINCIPLES OF CONSTRUCTION

KISD Code: 961618

Grade: 9 - 10 1 Credit

Grade Points: 5.5

Prerequisite: None

PEIMS: 13004220

You will develop a solid foundation for entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: Offered at Klein Forest High School

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

ELECTRICAL TECHNOLOGY I DUAL CREDIT

KISD Code: 9605DC18

Grade: 11 1 Credit

Grade Points: 6.0

Prerequisite: AC/DC Electronics Dual Credit (Recommended Prerequisite: Strong Math and Reading skills)

PEIMS: 13005600

You will gain knowledge and skills needed to enter the workforce as an electrician or building maintenance supervisor, prepare for a postsecondary degree in a specified field of construction or construction management, or pursue an approved apprenticeship program. You will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications.

Required Fee/Materials: \$10

Industry Certification: None

Note: Dual Credit Correlation: ELPT 1325, ELPT 1329, ELPT 1315

Offered at Klein Forest High School

ELECTRICAL TECHNOLOGY II DUAL CREDIT

KISD Code: 9606DC18

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: Prerequisite: Electrical Technology I Dual Credit

PEIMS: 13005700

You will gain advanced knowledge and skills needed to enter the workforce as an electrician, a building maintenance technician, or a supervisor; prepare for a postsecondary degree in a specified field of construction or construction management; or pursue an approved apprenticeship program. You will acquire knowledge and skills in safety, electrical theory, tools, codes, installation of electrical equipment, alternating current and direct current motors, conductor installation, installation of electrical services, and electric lighting installation. You will complete coursework at the Lone Star College-Creekside Campus.

Required Fee/Materials: \$10

Industry Certification: None

Note: Dual Credit Correlation: ELPT 2325, ELPT 1345, DFTG 2307

Offered at Klein Forest High School

Pathway College Credential: Electrical Technology Level I Certificate Lone Star College

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



HVAC & Refrigeration Technology Pathway



BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Principles of HVAC (Gr 9-10)	HVAC Technology I (Gr 10-11)	HVAC Technology II (Gr 11-12) *Refrigerant Handling (EPA 608)	Practicum in HVAC (Gr 12)
*Industry-Based Certification Course Outcome			
This Pathway is exclusively offered at Klein Cain High School.			

PRINCIPLES OF HVAC

KISD Code: 964518

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13004220

You will develop a solid foundation for entering the HVAC area. The course provides a strong knowledge of HVAC safety, HVAC mathematics, and common hand and power tools. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: Offered at Klein Cain High School

HVAC & REFRIGERATION TECHNOLOGY I

KISD Code: 962118

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13005800

Students will gain knowledge and skills needed to enter the workforce as technicians in the HVAC and refrigeration industry or building maintenance industry. Students will acquire knowledge and skills in safety, principles of HVAC theory, use of tools, codes, and installation of HVAC and refrigeration equipment. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: None

Note: Offered at Klein Cain High School

HVAC & REFRIGERATION TECHNOLOGY II

KISD Code: 962318

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: HVAC & Refrigeration Technology I

PEIMS: 13005900

Students will gain advanced knowledge and skills needed to enter the workforce as technicians in the HVAC and refrigeration industry or building maintenance industry. Students will acquire knowledge and skills in safety, electrical theory, use of tools, codes, installation and troubleshooting of commercial equipment, duct systems and maintenance practices. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: Refrigerant Handling (EPA 608)

Note: Offered at Klein Cain High School

PRACTICUM IN HVAC & REFRIGERATION

KISD Code: 962518

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: HVAC & Refrigeration Technology II

PEIMS: 13005250

Students will participate in a course designed to provide job specific skills through laboratory training, job shadowing, or work situations in areas compatible with identified career goals in HVAC & Refrigeration Technology. Students will be challenged with the application of gained knowledge and skills from HVAC & Refrigeration Technology I and II. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: Offered at Klein Cain High School

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index

Interior Design Pathway

BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Principles of Human Services (Gr 7-9)	Principles of Architecture (Gr 9-10)	Interior Design I (Gr 10-11)	Interior Design II (Gr 11-12) *Autodesk Certified User in Revit Architecture	Practicum in Interior Design (Gr 12)
				- OR - Career Preparation (Interior Design Focus) (Gr 11-12)

*Industry-Based Certification Course Outcome

PRINCIPLES OF HUMAN SERVICES

KISD Code: 933118

Grade: 7 - 9 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13024200

You will gain the knowledge and skills related to personal human development. The course will enable you to investigate careers in the human services career cluster, including early childhood development, family and community, mental health and personal care services. Content includes decision making, positive relationships, child development, nutrition and food production, finance, and personal grooming as it relates to personal and professional settings. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$20/\$20

Industry Certification: None

PRINCIPLES OF ARCHITECTURE

KISD Code: 948118

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13004210

You will gain knowledge of the various fields of architecture, interior design, and construction management. This course includes communication of architecture related assignments through computer graphics, modeling, and presentations. Students will use a variety of computer hardware and software applications to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10

Industry Certification: None

INTERIOR DESIGN I

KISD Code: 936018

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Architecture (Recommended)

PEIMS: 13004300

You will gain knowledge of psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. You will use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, promote sustainability, and compete in industry. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

INTERIOR DESIGN II

KISD Code: 936118

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Interior Design I

PEIMS: 13004400

You will participate in a technical laboratory course that includes the application of the employability characteristics, principles, processes, technologies, communication, tools, equipment, and materials related to interior design to meet industry standards. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50

Industry Certification: Autodesk Certified User in Revit Architecture

PRACTICUM IN INTERIOR DESIGN

KISD Code: 936218

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Interior Design II

PEIMS: 13004800

You will participate in a course designed to provide job specific skills through laboratory training, job shadowing, or work situations in areas compatible with identified career goals in interior design. In addition, students will be expected to develop knowledge and skills related to housing, furnishings, and equipment construction or equipment management and services. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50

Industry Certification: None

Career Preparation (Interior Design Focus)

KISD Code: 967718

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process

PEIMS: 12701300

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Note: Approval Process:

Yes Transportation Needed: Yes

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Animation Pathway

BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Digital Design Media Production (Gr 7-8)	Principles of Animation (Gr 9-10)	Animation I (Gr 10-11)	Animation II (Gr 11-12) *Autodesk Certified User - 3DS Max	Practicum in Animation (Gr 12) *Multiple Adobe Certifications
*Industry-Based Certification Course Outcome				

DIGITAL DESIGN MEDIA PRODUCTION

KISD Code: 4922J

Grade: 7 - 8 1 Credit

Grade Points: 5.0

Prerequisite: Ability to work independently

PEIMS: 3580400

Obtain hands-on experience working with a variety of media tools (graphic/image, audio, and video) to design multimedia projects. Utilize various software applications including Adobe products such as Photoshop and Illustrator. This project-based course focuses on real-world audiences as customers.

Required Fee/Materials: \$10

Industry Certification: None

PRINCIPLES OF ANIMATION

KISD Code: 949318

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: Recommended Digital Design Media Production

PEIMS: 13008200

Through the study of the history of animation and the twelve principles of animation, students will gain an understanding of animation and its application through a variety of media. Course concepts include story development, story structure, the use of storyboards in animation, introductory software usage and industry standards. The students will explore different techniques, media, and materials each week in class, and will be expected to take with them the essential knowledge and skills gained and apply them to a series of class exercises and projects.

Required Fee/Materials: \$15

Industry Certification: None

ANIMATION I

KISD Code: 947618

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Animation

PEIMS: 13008300

You will develop technical knowledge and skills needed for success in the animation industry, students will be expected to develop an understanding of the history and techniques of the animation industry. You will use multiple software applications to complete assignments and projects.

Required Fee/Materials: No

Industry Certification: None

ANIMATION II/LAB

KISD Code: 947718

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Animation I

PEIMS: 13008410

This hands-on course allows you to create, edit, and render characters, vehicles, scenes, or objects and to design and produce digital animation using images, video, and audio resources. You will learn design, design history, techniques and tools related to the production of drawings, renderings, and scaled models for commercial or residential purposes.

Required Fee/Materials: No

Industry Certification: Autodesk Certified User - 3DS Max

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

PRACTICUM IN ANIMATION

KISD Code: 949218

Grade: 12 2 Credit

Grade Points: 5.5 (6.0 Class of 2025)

Prerequisite: Animation II

PEIMS: 13008450

You will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment.

Required Fee/Materials: No

Industry Certification: Multiple Adobe Certifications

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Audio/Video Production Pathway

BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Digital Design Media Production (Gr 7-8)	Principles of Audio/Video Production (Gr 9-10)	Audio/Video Production I (Gr 10-11) *Adobe Certified Associate - Premiere Pro	Audio/Video Production II (Gr 11-12) *Adobe Certified Associate - After Effects	Practicum in Audio/Video Production (Gr 12)
*Industry-Based Certification Course Outcome				

DIGITAL DESIGN MEDIA PRODUCTION

KISD Code: 4922J

Grade: 7 - 8 1 Credit

Grade Points: 5.0

Prerequisite: Ability to work independently

PEIMS: 3580400

Obtain hands-on experience working with a variety of media tools (graphic/image, audio, and video) to design multimedia projects. Utilize various software applications including Adobe products such as Photoshop and Illustrator. This project-based course focuses on real-world audiences as customers.

Required Fee/Materials: \$10

Industry Certification: None

PRINCIPLES OF AUDIO/VIDEO PRODUCTION

KISD Code: 949518

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 1300820

Audio/Video Production Pathway students have a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. The course will be project-based with emphasis on industry standards for all aspects of the production process for digital content. Areas of instruction include cinema history and development, as well as learning hands-on cinematography basics.

Required Fee/Materials: \$25

Industry Certification: None

AUDIO/VIDEO PRODUCTION I

KISD Code: 915218

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Audio/Video Production

PEIMS: 13008500

You will design, write, produce, exhibit, and publish multimedia content. The course will be project-based with emphasis on industry standards for all aspects of the production process for digital content. Areas of instruction include cinema history and development, cinematography and the operation of video cameras, audio engineering, editing with Adobe Premiere, lighting, script writing, direction, production, and marketing/distribution.

Required Fee/Materials: \$25

Industry Certification: Adobe Certified Associate - Premiere Pro

AUDIO/VIDEO PRODUCTION II

KISD Code: 915918

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: A/V Production I

PEIMS: 13008600

You will design, write, produce, exhibit, and publish multimedia content. Through diverse forms of storytelling and production, students develop creativity, intellectual curiosity, critical thinking, problem-solving, and collaborative skills to aid in future industry employment.

Required Fee/Materials: \$25

Industry Certification: Adobe Certified Associate - After Effects

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

PRACTICUM IN AUDIO/VIDEO PRODUCTION

KISD Code: 915418

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: A/V Production II

PEIMS: 13008700

You will continue animation design and development in laboratory training. You will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production products in a professional environment.

Required Fee/Materials: \$25

Industry Certification: Adobe Premiere

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Fashion Design Pathway

BUSINESS & INDUSTRY ENDORSEMENT



DIGITAL DESIGN MEDIA PRODUCTION

KISD Code: 4922J

Grade: 7 - 8

Grade Points: 5.0

Prerequisite: Ability to work independently

PEIMS: 3580400

Obtain hands-on experience working with a variety of media tools (graphic/image, audio, and video) to design multimedia projects. Utilize various software applications including Adobe products such as Photoshop and Illustrator. This project-based course focuses on real-world audiences as customers.

Required Fee/Materials: \$10

Industry Certification: None

PRINCIPLES OF HUMAN SERVICES

KISD Code: 933118

Grade: 7 - 9 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13024200

You will gain the knowledge and skills related to personal human development. The course will enable you to investigate careers in the human services career cluster, including early childhood development, family and community, mental health and personal care services. Content includes decision making, positive relationships, child development, nutrition and food production, finance, and personal grooming as it relates to personal and professional settings. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$20/\$20

Industry Certification: None

FASHION DESIGN I

KISD Code: 935618

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13009300

You will participate in a laboratory course and gain the knowledge and skills related to the apparel industry and career preparation. Topics include apparel repair and alterations, managing the apparel dollar and the history of fashion. The production of fibers and fabrics, apparel care, garment construction and maintenance are also covered in this course. Quality apparel construction is addressed as it relates to consumer decision making and career preparation for the apparel industry. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

FASHION DESIGN II & LAB

KISD Code: 935918

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Fashion Design I

PEIMS: 13009410

You will participate in a laboratory course and gain the knowledge and skills related to apparel from the perspectives of personal decision making relating to the apparel industry and career preparation. Topics include apparel repair and alterations, managing the apparel dollar and the history of fashion. The production of fibers and fabrics, apparel care, garment construction and maintenance are also covered in this course. Quality apparel construction is addressed as it relates to consumer decision making and career preparation for the apparel industry. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Industry Certification: None

PRACTICUM IN FASHION DESIGN

KISD Code: 936318

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Fashion Design II and Lab

PEIMS: 13009500

You will demonstrate advanced skills in construction, draping, fitting and pattern making. You will construct detailed garments following trends in the apparel industry.

Required Fee/Materials: \$30

Industry Certification: None

CAREER PREPARATION I (Fashion Design Focus)

KISD Code: 967718

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process

PEIMS: 12701300

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Note: Approval Process: Yes Transportation Needed: Yes

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Video Game Programming & Design Pathway



BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Fundamentals of Computer Science (Gr 7-8)	Video Game Design (Gr 9-10)	Video Game Programming (Gr 10-11)	Advanced Video Game Programming (Gr 11-12)	Practicum in Video Game Programming & Design (Gr 12)

- AND/OR -

Digital Design Media Production (Gr 7-8)

The Video Game Programming & Design Pathway is affiliated with the Computer Science & Algorithms Pathway.

FUNDAMENTALS OF COMPUTER SCIENCE

KISD Code: 9141J18

Grade: 7 - 8 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 3580140

This year-long course is intended as a first course for those who are just beginning their study of computer science. You will learn about the computing tools that are used every day, while developing their ability to creatively solve real-world problems. This course introduces the basics of programming, the foundations of designing a web page with HTML/CSS, and how information is represented digitally and sent over the internet.

Required Fee/Materials: No

Industry Certification: None

DIGITAL DESIGN MEDIA PRODUCTION

KISD Code: 4922J

Grade: 7 - 8 1 Credit

Grade Points: 5.0

Prerequisite: Ability to work independently

PEIMS: 3580400

Obtain hands-on experience working with a variety of media tools (graphic/image, audio, and video) to design multimedia projects. Utilize various software applications including Adobe products such as Photoshop and Illustrator. This project-based course focuses on real-world audiences as customers.

Required Fee/Materials: \$10

Industry Certification: None

VIDEO GAME DESIGN

KISD Code: 915118

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13009970

In this course you will explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. You will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic. You will participate in a simulation of a real video game design team while developing technical proficiency in constructing an original game design.

Required Fee/Materials: No

Industry Certification: None

VIDEO GAME PROGRAMMING

KISD Code: 915518

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Video Game Design

PEIMS: N1300994

Video Game Programming expands on the foundation created in the Video Game Design course through programming languages such as: C# programming, XNA game studio, Java, and Android App. In this course, you will investigate the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, items, maps, and chests and eventually applying customizations by altering and enhancing the core game code.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



ADVANCED VIDEO GAME PROGRAMMING

KISD Code: 916018

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Video Game Programming

PEIMS: N1300995

Advanced Video Game Programming students will be introduced to mobile application design and programming using Java and Eclipse for Android devices. Time will be spent learning basic Java programming and working with Android Studio to develop real working apps. Using Unity as an introduction to 3D game development, students will have exposure to and an understanding of: object-oriented programming concepts; game development skill with programs such as Unity; 3D modeling with programs such as Blender; image manipulation with programs such as GIMP; concepts related to the design process; and the ability to communicate and collaborate on group-based projects

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN VIDEO GAME PROGRAMMING & DESIGN

KISD Code: 949418

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Advanced Video Game Programming

PEIMS: 13009000

In addition to developing technical knowledge and skills needed for success in the Video Game Programming & Design Pathway, you will be expected to develop a technical understanding of the industry with a focus on skill proficiency.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Broadcast Production Pathway



BUSINESS & INDUSTRY ENDORSEMENT



JOURNALISM 1

KISD Code: 0150

Grade: 9 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Mastery of State Writing Assessment

PEIMS: 3230100

Journalism 1 opens the doors to the field of professional journalism by introducing students to interviewing and the reporting style of writing seen online, on TV, and in magazines and newspapers. Students will also learn about trends in graphics, design, advertising, and career opportunities. This class also provides the opportunity for students to advance to serve on the yearbook or newspaper staff.

Required Fee/Materials: No

Industry Certification: None

PHOTOJOURNALISM

KISD Code: 0158

Grade: 9 - 11 0.5 Credit

Grade Points: 5.0

Prerequisite: Sponsor Approval

PEIMS: 3230800

Students will combine the art of photography with the storytelling function of journalism. Students will learn basic camera skills and use composition techniques and settings to improve their photography. Students will learn to enhance their photos using industry standard software. Students are required to provide their own non-automatic, DSLR camera.

Required Fee/Materials: No

Industry Certification: None

ADVANCED JOURNALISM: BROADCAST 1

KISD Code: 0176

Grade: 9 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Journalism 1 or Photojournalism and/or Sponsor Approval

PEIMS: 3231900

Students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

Required Fee/Materials: No

Industry Certification: None

ADVANCED JOURNALISM: BROADCAST 2

KISD Code: 0177

Grade: 10 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Advanced Journalism: Broadcast 1 and Sponsor Approval

PEIMS: 3231901

Students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



ADVANCED JOURNALISM: BROADCAST 3

KISD Code: 0178

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Advanced Journalism: Broadcast 2 and Sponsor Approval

PEIMS: 3231902

Students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

Required Fee/Materials: No

Industry Certification: None

INDEPENDENT STUDY OF JOURNALISM

KISD Code: 0156, 0157, 0159

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Sponsor Approval and completion of Advanced Journalism

PEIMS: 03231000, 03231011, 03231022

Independent Study/Journalism is for editors of the yearbook or newspaper. You will work collaboratively to plan deadlines, layout, and content ideas for their designated publication.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Newspaper Production Pathway



BUSINESS & INDUSTRY ENDORSEMENT

REQUIRED			
Level 1	Level 2	Level 3	Level 4
Journalism 1	Advanced Journalism Newspaper 1	Advanced Journalism Newspaper 2	Advanced Journalism Newspaper 3
- OR -		- OR -	- OR -
Photojournalism		Independent Study of Journalism	Independent Study of Journalism

JOURNALISM 1

KISD Code: 150

Grade: 9 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Mastery of State Writing Assessment

PEIMS: 3230100

Journalism 1 opens the doors to the field of professional journalism by introducing students to interviewing and the reporting style of writing seen online, on TV, and in magazines and newspapers. Students will also learn about trends in graphics, design, advertising, and career opportunities. This class also provides the opportunity for students to advance to serve on the yearbook or newspaper staff.

Required Fee/Materials: No

Industry Certification: None

PHOTOJOURNALISM

KISD Code: 158

Grade: 9 - 11 0.5 Credit

Grade Points: 5.0

Prerequisite: Sponsor Approval

PEIMS: 3230800

Students will combine the art of photography with the storytelling function of journalism. Students will learn basic camera skills and use composition techniques and settings to improve their photography. Students will learn to enhance their photos using industry standard software. Students are required to provide their own non-automatic, DSLR camera.

Required Fee/Materials: No

Industry Certification: None

ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 1

KISD Code: 194

Grade: 9 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Journalism 1 or Photojournalism, and/or Sponsor Approval

PEIMS: 3230140

Students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on afterschool activities, as assigned.

Required Fee/Materials: No

Industry Certification: None

ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 2

KISD Code: 195

Grade: 10 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Advanced Journalism Newspaper Production 1 and Sponsor Approval

PEIMS: 3230150

Students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will further develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on afterschool activities, as assigned.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 3

KISD Code: 196

Grade: 12 1 Credit

Grade Points: 5.5

Prerequisite: Advanced Journalism Newspaper Production 2 and Sponsor Approval

PEIMS: 3230160

Students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will refine real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students will lead the staff as editors, section editors or senior staff members. As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on after-school activities, as assigned.

Required Fee/Materials: No

Industry Certification: None

INDEPENDENT STUDY OF JOURNALISM

KISD Code: 0156, 0157, 0159

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Sponsor Approval and completion of Advanced Journalism

PEIMS: 03231000, 03231011, 03231022

Independent Study/Journalism is for editors of the yearbook or newspaper. You will work collaboratively to plan deadlines, layout, and content ideas for their designated publication.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Yearbook Production Pathway



BUSINESS & INDUSTRY ENDORSEMENT



JOURNALISM 1

KISD Code: 150

Grade: 9 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Mastery of State Writing Assessment

PEIMS: 3230100

Journalism 1 opens the doors to the field of professional journalism by introducing students to interviewing and the reporting style of writing seen online, on TV, and in magazines and newspapers. Students will also learn about trends in graphics, design, advertising, and career opportunities. This class also provides the opportunity for students to advance to serve on the yearbook or newspaper staff.

Required Fee/Materials: No

Industry Certification: None

PHOTOJOURNALISM

KISD Code: 158

Grade: 9 - 11 0.5 Credit

Grade Points: 5.0

Prerequisite: Sponsor Approval

PEIMS: 3230800

Students will combine the art of photography with the storytelling function of journalism. Students will learn basic camera skills and use composition techniques and settings to improve their photography. Students will learn to enhance their photos using industry standard software. Students are required to provide their own non-automatic, DSLR camera.

Required Fee/Materials: No

Industry Certification: None

ADVANCED JOURNALISM: YEARBOOK 1

KISD Code: 191

Grade: 9 - 12

Grade Points: 5.5

Prerequisite:

PEIMS: 3230110

1 Credit

Journalism 1 or Photojournalism

and/or Sponsor Approval

Students will work as a team to create a yearbook. Students will develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.

Required Fee/Materials:

Industry Certification:

No

None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

ADVANCED JOURNALISM: YEARBOOK 2

KISD Code: 192

Grade: 10 - 12

Grade Points: 5.5

Prerequisite:

PEIMS: 3230120

1 Credit

Advanced Journalism: Yearbook 1 and Sponsor Approval

Students will work as a team to create a yearbook. Students will further develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students are expected to increase involvement and responsibility on staff. As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.

Required Fee/Materials:

Industry Certification:

No

None

ADVANCED JOURNALISM: YEARBOOK 3

KISD Code: 0193

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Advanced Journalism: Yearbook 2 and Sponsor Approval

PEIMS: 3230130

Students will work as a team to create a yearbook. Students will refine real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students will lead the staff as editors, section editors or senior staff members. As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.

Required Fee/Materials: No

Industry Certification: None

INDEPENDENT STUDY OF JOURNALISM

KISD Code: 0156, 0157, 0159

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Sponsor Approval and completion of Advanced Journalism

PEIMS: 03231000, 03231011, 03231022

Independent Study/Journalism is for editors of the yearbook or newspaper. You will work collaboratively to plan deadlines, layout, and content ideas for their designated publication.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Accounting & Financial Services Pathway

BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Principles of Business, Marketing & Finance (Gr 8-10)	Business Information Management I (Gr 9-12)	Accounting I (Gr 10-12) *Volunteer Income Tax Assistance (Basic)	Accounting II (Gr 11-12) *Quickbooks Certified User *Volunteer Income Tax Assistance (Advanced)	Financial Analysis (Gr 11-12) *Volunteer Income Tax Assistance (VFA)
	- AND/OR -		- OR -	- OR -
	Money Matters (Gr 9-10)		Securities & Investments (Gr 11-12)	Career Preparation (Finance Focus) (Gr 11-12)
Algebra I is a prerequisite for Accounting I. Strong math skills and completion of Financial Mathematics are recommended for success in this pathway.				
*Industry-Based Certification Course Outcome				

PRINCIPLES OF BUSINESS, MARKETING & FINANCE

KISD Code: 916618

Grade: 8 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13011200

Students gain knowledge and skills in economies, private enterprise, impact of global business, marketing and advertising, business and personal finance. A variety of engaging learning activities provide the foundation for future courses in the business, marketing, and finance clusters.

Required Fee/Materials: No

Industry Certification: None

BUSINESS INFORMATION MANAGEMENT I

KISD Code: 914418

Grade: 9 - 12 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13011400

You will apply technical skills to address business applications such as creating word-processing documents, developing spreadsheets, formulating databases, and making an electronic presentation using Microsoft Office applications.

Required Fee/Materials: No

Industry Certification: None

MONEY MATTERS

KISD Code: 918318

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 130116200

Special emphasis is placed on bank record management, use of credit, investing, insurance, and budgets. In addition, you are introduced to financial market and securities analysis. Current economic events indicate that it is never too early for you to gain an awareness of factors that will impact their short-term and long-term financial plans.

Required Fee/Materials: No

Industry Certification: None

ACCOUNTING I

KISD Code: 916218

Grade: 10 - 12 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13016600

Accounting helps individuals and businesses manage their money. Accounting is one of the fastest growing and highly compensated areas of business. This course includes the complete accounting cycle, end-of-period statements, bank reconciliation, payrolls, and petty cash. Upon completion, students should be able to demonstrate an understanding of accounting principles and apply those skills to a business organization.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

ACCOUNTING II

KISD Code: 916418

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Accounting I

PEIMS: 13016700

Students will engage in various managerial, financial, and operational accounting activities. Students will formulate, interpret, and communicate financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources.

Required Fee/Materials: No

Industry Certification: Quickbooks Certified User

SECURITIES AND INVESTMENTS

KISD Code: 918418

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13016400

Students will understand laws and regulations to manage business operations and transactions in the securities industry to assist in making decisions common to the industry. Students will determine client needs and wants and respond through planned, personalized communication to influence purchase decisions and enhance future securities sales opportunities.

Required Fee/Materials: No

Industry Certification: None

FINANCIAL ANALYSIS

KISD Code: 918618

Grade: 12 1 Credit

Grade Points: 5.5

Prerequisite: Accounting II

PEIMS: 13016800

You will apply technical skills to develop knowledge and skills in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. You will develop analytical skills by actively evaluating financial results of multiple businesses, interpreting results for stakeholders, and presenting strategic recommendations for performance improvement.

Required Fee/Materials: No

Industry Certification: None

CAREER PREPARATION (Finance Focus)

KISD Code: 967718

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a social Security card) and Approval Process.

PEIMS: 12701300

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



BUSINESS LAW

KISD Code: 917318

Grade: 10 - 12 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13011700

The course provides you with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.

Required Fee/Materials: No

Industry Certification: None

BUSINESS LAW DUAL CREDIT

KISD Code: 9173DC18

Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: None

PEIMS: 13011700

The course provides you with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.

Required Fee/Materials: No

Industry Certification: None

Note: BUSI 2301

BUSINESS MANAGEMENT

KISD Code: 912518

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Business Information Management II or Business Information Management II Dual Credit or Business Law

PEIMS: 13012100

Do you have what it takes to run a business? Learn the ins and outs of staffing issues. Who gets hired and who gets fired? Plan, organize, direct, and lead your business using marketing, financial, and ethical strategies and learn what it takes to make management decisions. You will incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN BUSINESS MANAGEMENT

KISD Code: 912618

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Business Management or Global Business and HR Management if previously taken

PEIMS: 13012200

Now that you have what it takes to run a business from the courses in the Business Management Pathway, you will work collaboratively with others in real-world business models. Plan, organize, direct, and lead your business using marketing, financial, and ethical strategies and learn what it takes to make management decisions. You will incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.

Required Fee/Materials: No

Industry Certification: None

CAREER PREPARATION (Business Management Pathway)

KISD Code: 967718

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process.

PEIMS: 12701300

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Business Management Pathway

BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Principles of Business, Marketing & Finance (Gr 8-10)	Business Information Management I (Gr 9-12)	Business Information Management II -OR- Business Information Management II Dual Credit (Gr 10-12) *Microsoft Office Specialist: Expert Word and Excel	Business Management (Gr 11-12)	Practicum in Business Management (Gr 12)
		- OR -		- OR -
		Business Law -OR- Business Law Dual Credit (Gr 10-12)		Career Preparation (Business Management Focus) (Gr 11-12)

*Industry-Based Certification Course Outcome

PRINCIPLES OF BUSINESS, MARKETING & FINANCE

KISD Code: 916618

Grade: 8-10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13011200

Students gain knowledge and skills in economies, private enterprise, impact of global business, marketing and advertising, business and personal finance. A variety of engaging learning activities provide the foundation for future courses in the business, marketing, and finance clusters.

Required Fee/Materials: No

Industry Certification: None

BUSINESS INFORMATION MANAGEMENT I

KISD Code: 914418

Grade: 9 - 12 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13011400

You will apply technical skills to address business applications such as creating word-processing documents, developing spreadsheets, formulating databases, and making an electronic presentation using Microsoft Office applications.

Required Fee/Materials: No

Industry Certification: None

BUSINESS INFORMATION MANAGEMENT II

KISD Code: 915618

Grade: 10 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Business Information Management I

PEIMS: 13011500

You will complete this course with an advanced level of proficiency in word processing, spreadsheets, presentation applications and database. Emphasis will be on Microsoft Word and Excel. Instruction will also provide a certification option in PowerPoint.

Required Fee/Materials: \$10

Industry Certification: Microsoft Office Specialist: Microsoft Word Expert, Microsoft Excel Expert

BUSINESS INFORMATION MANAGEMENT II DUAL CREDIT

KISD Code: 9156DC18

Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Business Information Management I

PEIMS: 13011500

You will study computer terminology, hardware, and software related to the business environment. The focus of this advanced course is on business productivity software applications and professional behavior in computing, including word processing, spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet. Emphasis will be on Microsoft Word, Excel, Access and PowerPoint and computer based certification software.

Required Fee/Materials: \$10

Industry Certification: Microsoft Office Specialist: Microsoft Word Expert, Microsoft Excel Expert

BCIS 1305

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

Entrepreneurship Pathway



BUSINESS & INDUSTRY ENDORSEMENT



PRINCIPLES OF BUSINESS, MARKETING & FINANCE

KISD Code: 916618

Grade: 8 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13011200

Students gain knowledge and skills in economics, private enterprise, impact of global business, marketing and advertising, business and personal finance. A variety of engaging learning activities provide the foundation for future courses in the business, marketing, and finance clusters.

Required Fee/Materials: No

Industry Certification: None

ENTREPRENEURSHIP

KISD Code: 959418

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Recommended: Principles of Business, Marketing & Finance

PEIMS: 13034400

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

ENTREPRENEURSHIP II

KISD Code: 959318

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Entrepreneurship

PEIMS: N1303423

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: Entrepreneurship and Small Business

PRACTICUM IN ENTREPRENEURSHIP

KISD Code: 959718

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II

PEIMS: 13034800

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

CAREER PREPARATION (Entrepreneurship Pathway)

KISD Code: 967718

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process.

PEIMS: 12701300

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Marketing & Sales Pathway



BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Principles of Business, Marketing & Finance (Gr 8-10)	Marketing (Gr 9-10)	Sports & Entertainment Marketing I / II (Gr 10-11)	Advanced Marketing (Gr 11-12) *Entrepreneurship and Small Business
		-AND/OR-	-OR-
		Social Media Marketing/Advertising (Gr 10-11) *Student Social Media Marketing Certification	Career Preparation (Marketing & Sales Focus) (Gr 11-12)

*Industry-Based Certification Course Outcome

The Marketing & Sales Pathway is affiliated with the Entrepreneurship Pathway.

PRINCIPLES OF BUSINESS, MARKETING & FINANCE

KISD Code: 916618

Grade: 8 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13011200

Students gain knowledge and skills in economies, private enterprise, impact of global business, marketing and advertising, business and personal finance. A variety of engaging learning activities provide the foundation for future courses in the business, marketing, and finance clusters.

Required Fee/Materials: No

Industry Certification: None

MARKETING

KISD Code: 959118

Grade: 9-10 1 Credit

Grade Points: 5.0

Prerequisite:

PEIMS: N1303424

Marketing explores the seven core functions of marketing including marketing planning, marketing-information management, pricing, product/service management, channel management, and selling. Students will demonstrate knowledge in hands-on projects which may include conducting research, creating a promotional plan, pitching a sales presentation, and introducing an idea for a new product/service.

Required Fee/Materials: No

Industry Certification: None

SPORTS & ENTERTAINMENT MARKETING

KISD Code: 958818

Grade: 10 - 11 0.5 Credit

Grade Points: 5.0

Prerequisite: Principles of Business, Marketing & Finance

PEIMS: 13034600

Students will gain knowledge of marketing concepts and theories that apply to sports and entertainment. This course includes basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

SPORTS AND ENTERTAINMENT MARKETING II

KISD Code: 958918

Grade: 10-11 0.5 Credit

Grade Points: 5.0

Prerequisite: Sports and Entertainment Marketing and Fashion Marketing *Beginning with class of 2025

PEIMS: N1303422

In this course you will develop a thorough understanding of advanced marketing concepts and theories as they relate to the sports and entertainment industries. You will investigate the components of branding, sponsorships, and endorsements, as well as promotion plans needed for sports and entertainment events. Through this course you will also support career development skills and explore career options.

Required Fee/Materials: No

Industry Certification: None

SOCIAL MEDIA MARKETING

KISD Code: 959218

Grade: 10 - 11 0.5 Credit

Grade Points: 5.0

Prerequisite: Sports and Entertainment Marketing and Fashion Marketing *Beginning with class of 2025

PEIMS: 13034650

This course is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. You will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

Required Fee/Materials: No

Industry Certification: Stukent Social Media Marketing Certification

ADVERTISING

KISD Code: 959518

Grade: 10 - 11 0.5 Credit

Grade Points: 5.0

Prerequisite: Sports and Entertainment Marketing and Fashion Marketing *Beginning with class of 2025

PEIMS: 13034200

Students will gain knowledge of techniques used in the current advertising industry, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion.

Required Fee/Materials: No

Industry Certification: None

ADVANCED MARKETING

KISD Code: 960018

Grade: 11-12 2 Credit

Grade Points: 5.0

Prerequisite: 2 of 3 of the following: Sports & Entertainment Marketing II or Social Media Marketing or Advertising

PEIMS: 13034700

In Advanced Marketing, students will gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to solve problems related to marketing. This course covers technology, communication, and customer-service skills.

Required Fee/Materials: No

Industry Certification: Entrepreneurship and Small Business

CAREER PREPARATION (Marketing & Sales Focus)

KISD Code: 967718

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process

PEIMS: 12701300

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Culinary Arts Pathway

BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED		
Recommended	Level 1	Level 2	Level 3	Level 4
Principles of Human Services (Gr 7-9)	Principles of Hospitality & Tourism (Gr 9-10)	Culinary Arts (Gr 10-11) *ServSafe Food Handler	Advanced Culinary Arts (Gr 11-12) *ServSafe Manager	Practicum in Culinary Arts (Gr 12)
*Industry-Based Certification Course Outcome				
This Pathway is offered at Klein, Klein Forest, & Klein Cain High Schools.				

PRINCIPLES OF HUMAN SERVICES

KISD Code: 933118

Grade: 7 - 9 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13024200

You will gain the knowledge and skills related to personal human development. The course will enable you to investigate careers in the human services career cluster, including early childhood development, family and community, mental health and personal care services. Content includes decision making, positive relationships, child development, nutrition and food production, finance, and personal grooming as it relates to personal and professional settings.

Required Fee/Materials: \$20/\$20

Industry Certification: None

PRINCIPLES OF HOSPITALITY & TOURISM

KISD Code: 935118

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 1302200

In this course, you will investigate careers in the hospitality cluster including, travel and tourism, recreation, amusement, attractions, resorts, restaurants, and food beverage services. You will also gain an understanding of the restaurant industry, including sanitation and safety, and food service practices. This course is hands-on, lab based, and project focused. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: None

CULINARY ARTS

KISD Code: 935018

Grade: 10 - 11 2 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13022600

You will learn the fundamentals and principles of the art of cooking and the science of baking. Emphasis is placed on safety, management, production skills and techniques in a professional kitchen setting. You can pursue a national sanitation certification, ServSafe Certification, or any other appropriate food industry certification. This course will be offered as a laboratory based course. You are encouraged to participate in extended learning experiences. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$60/\$75

Industry Certification: ServSafe Food Handler

Note: Offered at Klein, Klein Forest and Klein Cain High Schools.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

ADVANCED CULINARY ARTS

KISD Code: 936418

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Culinary Arts

PEIMS: 13022650

In this course you will be able to expand your culinary skills, learn management, and leadership practices of the culinary industry. Students are taught employability skills, which include job-specific traits, job interview techniques, communication skills, financial and budgeting activities, human relations, and portfolio development. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$75/\$25

Industry Certification: Servsafe Manager

Notes: Offered at Klein, Klein Forest and Klein Cain High Schools

PRACTICUM IN CULINARY ARTS

KISD Code: 935218

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Advanced Culinary Arts

PEIMS: 13022700

Students will participate in a practicum learning experience that combines classroom instruction and actual business and industry career experiences. Students are taught employability skills, including job-specific skills applicable to their training plan, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$75/\$25

Industry Certification: None

Note: Offered at Klein, Klein Forest and Klein Cain High Schools

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Network Design Pathway

BUSINESS & INDUSTRY AND/OR STEM ENDORSEMENT

RECOMMENDED		REQUIRED		
Recommended	Level 1	Level 2	Level 3	Level 4
Principles of Information Technology (Gr 7-8)	TBD	Computer Networking I / II (Gr 10-11)	Networking Lab (Gr 11-12) *Cisco CCNA (200-301) Implementing and Administering Cisco Solutions	Practicum in Networking (Gr 12)
*Industry-Based Certification Course Outcome				
This Pathway is offered exclusively at Klein Forest & Klein Oak High Schools.				

PRINCIPLES OF INFORMATION TECHNOLOGY

KISD Code: 9332J18

Grade: 7 - 8 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13027200

Students will develop computer literacy skills (including hardware components, software, and networking basics) to adapt to emerging technologies used in the global marketplace. Students will use word processing, spreadsheet, presentation, and desktop publishing software applications to enhance reading, writing, computing, communication, and reasoning skills. Students will also have opportunities to develop keyboarding skills or enhance their keying accuracy and speed.

Required Fee/Materials: No

Industry Certification: None

COMPUTER NETWORKING I

KISD Code: 964718

Grade: 10 - 11 1 Credit

Grade Points: 5.5

Prerequisite: None

PEIMS: N1302803

You will design small to medium-sized local area networks in a laboratory setting as part of the Cisco Networking Academy Program. The course focuses on network fundamentals and theory, switching, basic network security, LAN and WAN design, structured cabling, and the configuration of routers, wireless equipment, and advanced routing protocols. You must be able to work in an online learning management system requiring advanced technical vocabulary. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: This Pathway is offered exclusively at Klein Forest High School.

COMPUTER NETWORKING II

KISD Code: 965118

Grade: 10 - 11 1 Credit

Grade Points: 5.5

Prerequisite: Taken Concurrently with Internetworking Technologies I

PEIMS: N1302804

You will design small to medium-sized local area networks in a laboratory setting as part of the Cisco Networking Academy Program. The course focuses on network fundamentals and theory, switching, basic network security, LAN and WAN design, structured cabling, and the configuration of routers, wireless equipment, and advanced routing protocols. You must be able to work in an online learning management system requiring advanced technical vocabulary. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: This Pathway is offered exclusively at Klein Forest High School.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

NETWORKING/NETWORKING LAB

KISD Code: 965218

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Successful completion of Internetworking II

PEIMS: 13027410

You will continue with the courses in the Cisco Networking Academy Program. Content focus is on network configuration. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: Cisco Certified Network Associate (CCNA)

Note: This Pathway is offered exclusively at Klein Forest High School.

PRACTICUM IN NETWORKING

KISD Code: 964618

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Successful completion of Networking/Networking Lab

PEIMS: 13027500

You will continue with the courses in the Cisco Networking Academy Program. Emphasis will be on baseline network security. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: Transportation Needed: Yes

This Pathway is offered exclusively at Klein Forest High School.

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Robotics Pathway

BUSINESS & INDUSTRY AND/OR STEM ENDORSEMENT

RECOMMENDED		REQUIRED		
Recommended	Level 1	Level 2	Level 3	Level 4
Gateway to STEM I and Gateway to STEM II (Gr 7-8)	Principles of Applied Engineering (Gr 9-10) *Autodesk Certified User - AutoCAD	Robotics I (Gr 10-11)	Robotics II (Gr 11-12) *Autodesk Certified User - Inventor	Practicum in Robotics (Gr 12) *SolidWorks Associate (CSWA-EDU)
*Industry-Based Certification Course Outcome				
The Robotics Pathway is affiliated with the Engineering Design Pathway.				

GATEWAY TO STEM I

KISD Code: 9487J18

Grade: 7 - 8 0.5 Credit

Grade Points: 5.0

Prerequisite: Strong Math and Science Skills

PEIMS: N1303756

You will discover the design process and develop an understanding of the influence of creativity and innovation in your life. This course focuses on the Design and Modeling unit from the Project Lead the Way (PLTW) curriculum. You will work in teams to design orthotics and toys for children with disabilities. Using design software, you will create a virtual image of your design as well as capture research and ideas in an engineering notebook. You will learn to work effectively in groups in effective and inclusive ways.

Required Fee/Materials: \$30

Industry Certification: None

GATEWAY TO STEM II

KISD Code: 9488J18

Grade: 7 - 8 0.5 Credit

Grade Points: 5.0

Prerequisite: Strong Math and Science Skills and Gateway to Stem I

PEIMS: N1303757

You will learn about the history and impact of automation and robotics as you explore mechanical systems, energy transfer, machine automation, and computer control systems. The focus of this course is the Automation and Robotics unit from Project Lead the Way. Using design software, you will create a virtual image of your design as well as capture research and ideas in an engineering notebook. You will understand and apply the physics of speed and torque as you build basic gear mechanisms. You will use a robotics platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms.

Required Fee/Materials: No

Industry Certification: None

PRINCIPLES OF APPLIED ENGINEERING

KISD Code: 947018

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: Strong Math Skills

PEIMS: 13036200

Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware, software applications, and Autodesk AutoCAD to complete assignments and projects.

Required Fee/Materials: \$10

Industry Certification: Autodesk Certified User in AutoCAD

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

ROBOTICS I

KISD Code: 964118

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Applied Engineering

PEIMS: 13037000

Are you ready to transfer your academic skills to component designs in a project-based environment through implementation of the design process? In this class you will build prototypes or use simulation software to test your designs. Additionally, you will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10

Industry Certification: None

ROBOTICS II

KISD Code: 964218

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Robotics I

PEIMS: 13037050

In this course you will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, you will transfer your academic skills to component designs in a project-based environment. You will construct complex robots or use simulation software to test your prototypes. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: Autodesk Certified User - Inventor

PRACTICUM IN ROBOTICS

KISD Code: 966418

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Robotics II

PEIMS: 13033000

You will continue to expand their knowledge of automation with complex programming, differentiated types of robotic components and structure design. You will have opportunities to participate in competitions to modify prototype designs. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$20

Industry Certification: SolidWorks Associate (CSWA-EDU)

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Welding Pathway

BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Introduction to Welding (Gr 9-10)	Welding I (Gr 10-11)	Welding II (Gr 11-12) *American Welding Society D1.1 and D9.1	Practicum in Welding (Gr 12)
- OR -			
Career Preparation (Welding Focus) (Gr 11-12)			

*Industry-Based Certification Course Outcome

INTRODUCTION TO WELDING

KISD Code: 966718

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13032250

Students will gain knowledge of welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: None

Note: Offered at Klein Cain and Klein Oak High Schools

WELDING I

KISD Code: 966818

Grade: 10 - 11 2 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13032300

This sequential two-year program is designed to prepare students to be skilled workers and to understand, perform and supervise or inspect a wide variety of welding processes, including gas welding, brazing, flame cutting, plasma cutting, shielded metal arc welding and resistance welding. Introduction to gas metal arc welding, gas tungsten arc welding and flux core welding will also be explored. Students will develop a basic understanding of design for welding fabrication, an understanding of the cost and economics of various types of welding. Students are introduced to the methods of nondestructive and destructive inspection of welds and welded products. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: None

Note: Transportation Needed: Yes

Offered at Klein Cain and Klein Oak High Schools

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

WELDING II

KISD Code: 967018

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Welding I

PEIMS: 13032400

Welding II is the second part of a two-year program designed to prepare students to be skilled workers and to understand, perform and supervise or inspect a wide variety of welding processes, including gas welding, flame cutting, plasma cutting, arc gouging, shielded metal arc welding, gas metal arc welding, gas tungsten arc welding and flux core welding. Students will understand non-destructive and destructive inspection of welds and welded products and auxiliary equipment used in the process, such as jigs, fixtures, and tools and equipment related to welding. Students will develop math skills and problem-solving skills used in the welding field. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: AWS D1.1 and AWS D9.1 Welding

Note: Transportation Needed: Yes

Offered at Klein Cain and Klein Oak High Schools

PRACTICUM IN WELDING

KISD Code: 966918

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Welding II

PEIMS: 13033000

Students in this course will participate in a continuation of Welding II in a lab-based environment. Advanced welding processes, design and weld testing will be the focus of this course.

Required Fee/Materials: \$25

Industry Certification: None

Note: Transportation Needed: Yes

Offered at Klein Cain and Klein Oak High Schools

CAREER PREPARATION I (Welding Focus)

KISD Code: 967718

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process

PEIMS: 12701300

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Automotive Technology Pathway

BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Automotive Basics (Gr 9-10)	Automotive Technology I (Gr 10-11) *Automotive Service Excellence - Entry Level	Automotive Technology II (Gr 11-12) *Automotive Service Excellence - Entry Level	Practicum in Automotive Technology (Gr 12)
*Industry-Based Certification Course Outcome			

AUTOMOTIVE BASICS

KISD Code: 96118

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13039600

Students will learn basic automotive systems, the theory and principles of the components that make up each system, and how to service these systems, including applicable safety and environmental rules and regulations. The focus of this course is to teach safety, tool identification, proper tool use, and employability. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

AUTOMOTIVE TECHNOLOGY I

KISD Code: 961218

Grade: 10 - 11 2 Credit

Grade Points: 5.0

Prerequisite: Automotive Basics (Recommended)

PEIMS: 13039600

This sequential two-year program is designed to train students through classroom instruction, interactive computer application, and lab experiences. Students will be taught fundamentals and operation of all major automotive systems. Students will demonstrate knowledge of the concepts and skills related to the following automotive areas: (1) Brakes, (2) Steering and Suspension, (3) Electrical and Electronic Systems, and (4) Engine Performance. Special emphasis is placed on professional work ethics and safety. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50

Industry Certification: ASE - Entry Level Student Certifications

AUTOMOTIVE TECHNOLOGY II

KISD Code: 961418

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Automotive Technology I

PEIMS: 13039700

This course is a continuation of Automotive Technology and is designed to train you through classroom instruction, interactive computer application, and lab experiences. You will demonstrate knowledge of the concepts and skills related to the following automotive areas: (a) Brakes, (b) Steering and Suspension, (c) Electrical and Electronic Systems, and (d) Engine Performance. Special emphasis is placed on professional work ethics and safety. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50

Industry Certification: ASE - Entry Level Student Certifications

PRACTICUM IN AUTOMOTIVE TECHNOLOGY

KISD Code: 961918

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Automotive Technology II

PEIMS: 13040450

You will participate in a course designed to provide job specific skills through laboratory training and simulated work situations in areas compatible with identified career goals in Automotive Technology. You will be challenged with the application of gained knowledge and skills from Automotive Technology I and II. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

Small Engine Technology Pathway



BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Automotive Basics (Gr 9-10)	Small Engine Technology I (Gr 10-11)	Small Engine Technology II (Gr 11-12) *Principles of Small Engine Technology Certification		Practicum in Small Engine Technology (Gr 12)
				- OR - Career Preparation (Small Engine Focus) (Gr 11-12)
*Industry-Based Certification Course Outcome				
This Pathway is offered exclusively at Klein & Klein Oak High Schools.				

AUTOMOTIVE BASICS

KISD Code: 961118

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13039550

Students will learn basic automotive systems, the theory and principles of the components that make up each system, and how to service these systems, including applicable safety and environmental rules and regulations. The focus of this course is to teach safety, tool identification, proper tool use, and employability. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

SMALL ENGINE TECHNOLOGY I

KISD Code: 967218

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13040000

This sequential two-year program is designed to provide training for entry-level employment in the air and liquid cooled engine technology industry. Skills developed include knowledge of the function, limited diagnosis and service of the systems and components of all types of lawn care equipment and irrigation engines. Instruction consists of repairing and servicing cooling systems, air cleaners, fuel systems, lubricating systems, and starter/ignition systems. In addition, you will receive instruction in safety, academic, leadership skills and career opportunities. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: None

Note: Offered at Klein High and Klein Oak High Schools

SMALL ENGINE TECHNOLOGY II

KISD Code: 967418

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: Small Engine Technology I

PEIMS: 13040100

This course is a continuation of Small Engine Technology and will include advanced knowledge of the function, diagnosis, and service of the systems and components of all types of lawn equipment, motorcycle, marine engines, and irrigation engines. In this course you will repair and service cooling systems, fuel systems, lubrication systems, electrical/ignition systems, and mechanical systems. In addition, you will receive instruction in safety, academic, leadership skills and career opportunities. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: Principles of Small Engine Technology Certifications

Note: Offered at Klein High and Klein Oak High Schools

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

PRACTICUM IN SMALL ENGINE TECHNOLOGY

KISD Code: 967118

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Small Engine Technology II

PEIMS: 13040450

Students will participate in a course designed to provide job specific skills through laboratory training and simulated work situations in areas compatible with identified career goals in small engine technology.

Required Fee/Materials: \$15

Industry Certification: None

Note: Offered at Klein High and Klein Oak High Schools

CAREER PREPARATION I (Small Engine Focus)

KISD Code: 967718

Grade: 11 - 122 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process

PEIMS: 12701300

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Note: Approval Process: Yes

Transportation Needed: Yes

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Public Service Endorsement

<u>Early Learning Pathway</u>	<u>118</u>
<u>Teaching & Training Pathway</u>	<u>120</u>
<u>Certified Nursing Assistant Pathway</u>	<u>122</u>
<u>Emergency Medical Technician Pathway</u>	<u>124</u>
<u>Health Science Clinical Pathway</u>	<u>126</u>
<u>Medical Science Pathway</u>	<u>128</u>
<u>Pharmacy Pathway</u>	<u>130</u>
<u>HealthCare Diagnostics Pathway</u>	<u>132</u>
<u>Exercise Science & Wellness Pathway</u>	<u>134</u>
<u>Cosmetology Pathway</u>	<u>136</u>
<u>Family & Community Services Pathway</u>	<u>137</u>
<u>Forensic Science Pathway</u>	<u>139</u>
<u>Law Enforcement Pathway</u>	<u>142</u>
<u>Legal Studies Pathway</u>	<u>143</u>
<u>JROTC</u>	<u>145</u>
<u>Other CTE Courses</u>	<u>148</u>

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Early Learning Pathway

PUBLIC SERVICE ENDORSEMENT

RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Principles of Human Services (Gr 7-10)	Principles in Education & Training (Gr 9-10)	Child Development (Gr 10-11)	Child Guidance (Early Learning) (Gr 11-12)	Practicum in Early Learning (Gr 12)

PRINCIPLES OF HUMAN SERVICES

KISD Code: 933118

Grade: 7 - 9 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13024200

You will gain the knowledge and skills related to personal human development. The course will enable you to investigate careers in the human services career cluster, including early childhood development, family and community, mental health and personal care services. Content includes decision making, positive relationships, child development, nutrition and food production, finance, and personal grooming as it relates to personal and professional settings.

Required Fee/Materials: \$20/\$20

Industry Certification: None

PRINCIPLES OF EDUCATION & TRAINING

KISD Code: 932918

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13014200

In this course, you will gain knowledge of the various careers available within the Education and Training pathway. You will use self-knowledge as well as educational and career information to analyze various careers and develop a graduation plan that leads to a specific career choice in your interest area. This course focuses on introducing the practices of planning, managing, and providing education and training services and related learning support services.

Required Fee/Materials: No

Industry Certification: None

CHILD DEVELOPMENT

KISD Code: 933518

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13024700

You will gain knowledge and skills related to prenatal development, care, guidance, and protection of children. Instruction addresses the principles and procedures for promoting the physical, emotional, social, and intellectual development of young children, including those with special needs. Other topics include family management, characteristics of quality childcare, and career options related to the care and education of children.

Required Fee/Materials: No

Industry Certification: None

CHILD GUIDANCE

KISD Code: 933618

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: Child Development and Approval Process

PEIMS: 13024800

You will gain knowledge and skills related to child growth and guidance equipping you to develop positive relationships with children and effective caregiver skills. You will use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children. Instruction will be delivered through school-based lab training. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$35

Industry Certification: None

Note: Approval Process: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

PRACTICUM IN EARLY LEARNING

KISD Code: 933818

Grade: 122 Credit

Grade Points: 5.5

Prerequisite: Child Guidance and Approval Process

PEIMS: 13025000

You will gain knowledge and skills related to the development of consumer services, early childhood development and services, counseling and mental health services, and family and community services careers. Instruction will be delivered through a school-based laboratory training.

Required Fee/Materials: \$35

Industry Certification: None

Note: Approval Process: Yes

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

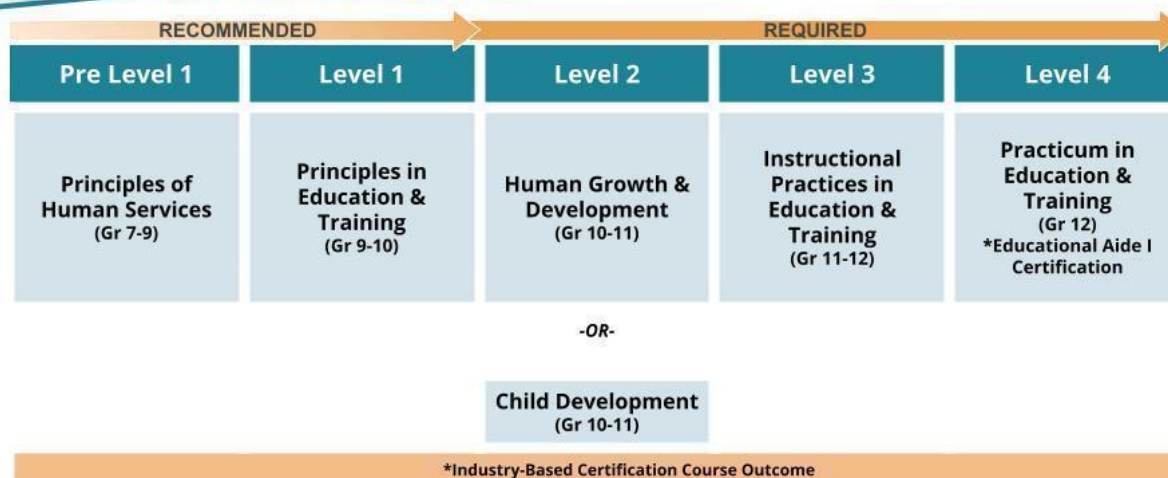
Course Fees

Index



Teaching & Training Pathway

PUBLIC SERVICE ENDORSEMENT



PRINCIPLES OF HUMAN SERVICES

KISD Code: 933118

Grade: 7 - 9 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13024200

You will gain the knowledge and skills related to personal human development. The course will enable you to investigate careers in the human services career cluster, including early childhood development, family and community, mental health and personal care services. Content includes decision making, positive relationships, child development, nutrition and food production, finance, and personal grooming as it relates to personal and professional settings.

Required Fee/Materials: \$20/\$20

Industry Certification: None

PRINCIPLES OF EDUCATION & TRAINING

KISD Code: 932918

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13014200

In this course, you will gain knowledge of the various careers available within the Education and Training pathway. You will use self-knowledge as well as educational and career information to analyze various careers and develop a graduation plan that leads to a specific career choice in your interest area. This course focuses on introducing the practices of planning, managing, and providing education and training services and related learning support services.

Required Fee/Materials: No

Industry Certification: None

HUMAN GROWTH & DEVELOPMENT

KISD Code: 932818

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13014300

Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

Required Fee/Materials: No

Industry Certification: None

CHILD DEVELOPMENT

KISD Code: 933518

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13024700

You will gain knowledge and skills related to prenatal development, care, guidance, and protection of children. Instruction addresses the principles and procedures for promoting the physical, emotional, social, and intellectual development of young children, including those with special needs. Other topics include family management, characteristics of quality childcare, and career options related to the care and education of children.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

INSTRUCTIONAL PRACTICES IN EDUCATION & TRAINING

KISD Code: 933318

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Human Growth & Development or Child Development

PEIMS: 13014400

You will participate in a field-based internship that improves knowledge of child and adolescent development, as well as principles of effective teaching and training practices. You will be placed at either the elementary or intermediate school level with a field-site teacher. You will learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$35

Industry Certification: None

Note: Transportation Needed: Yes

Approval Process: Yes

PRACTICUM IN EDUCATION AND TRAINING

KISD Code: 933418

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Instructional Practices in Education and Training

PEIMS: 13014500

If you wish to continue a second year of the field-based internship, you may pursue the practicum course. You will be placed at either the elementary or intermediate school level with a fieldsite teacher. You will learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$35

Industry Certification: Educational Aide I Certification

Note: Transportation Needed: Yes

Approval Process: Yes

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

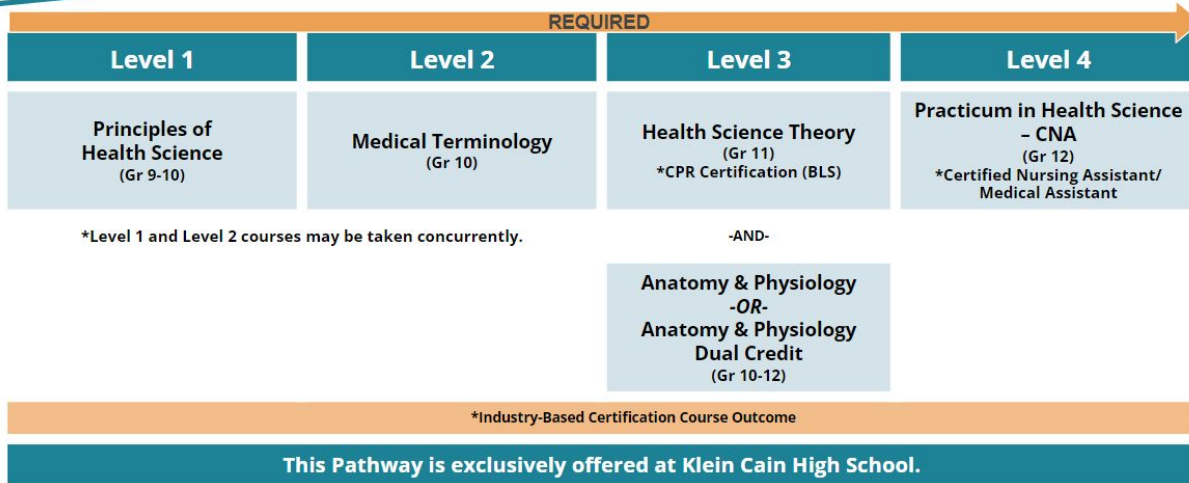
Index



Certified Nursing Assistant Pathway



PUBLIC SERVICE AND/OR STEM ENDORSEMENT



PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018

Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

PEIMS: 13020200

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No

Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science or Concurrent Enrollment in Principles of Health Science

PEIMS: 13020300

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No

Industry Certification: None

Note: Principles of Health Science may be taken concurrently for students in grade 10

HEALTH SCIENCE THEORY

KISD Code: 926318

Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: Principles of Health Science and Medical Terminology (Recommended Prerequisite: Anatomy and Physiology)

PEIMS: 13020400

You will develop knowledge and skills related to a wide variety of health careers opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the healthcare profession. Instruction in this course will be classroom based but will lead to several other hands-on, work based learning, or project based learning style courses.

Required Fee/Materials: \$10

Industry Certification: CPR Certification (BLS)

Note: 11th graders may take Medical Terminology and Health Science Theory concurrently.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



ANATOMY & PHYSIOLOGY

KISD Code: 927118

Grade: 10 - 12 1 Credit

Grade Points: 5.5 (6.0 Class of 2025)

Prerequisite: Biology I and Chemistry I (Recommended Prerequisite: Principles of Health Science and Medical Terminology)

PEIMS: 13020600

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18

Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I (Recommended Prerequisite: Principles of Health Science and Medical Terminology)

PEIMS: 13020600

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: Dual Credit Correlation: BIOL 2401

PRACTICUM IN HEALTH SCIENCE - CNA

KISD Code: 927418

Grade: 12 2 Credit

Grade Points: 5.5

6.0 Class of 2025

Prerequisite: Health Science Theory and Anatomy & Physiology and CPR Certification Approval Process

PEIMS: 13020500

In this course, students will learn to attend to patients' hygiene, comfort, nourishment, and social needs. Competencies will be demonstrated by the taking of vital signs, assisting patients with ADL's, maintaining patient hygiene and safety, and providing infection control. Upon completion of the course, students will be eligible to test for state Certified Nurse Assistant and Clinical Medical Assisting certifications. Students must be CPR certified and submit documentation of the following health screenings/status: Tuberculin skin test, proof of Rubella and Rubeola immunity, Varicella immunity, and Hepatitis B series immunization is required. Due to specific clinical/hospital and licensing requirements for certification, students must pass a criminal background check and/or verify personal health insurance coverage with an insurer approved by the hospital/facility to participate in the course. Students will be notified at the beginning of the course if other facilities have additional requirements. A uniform, name tag, stethoscope, gait belt, fee for certification testing, and professional liability insurance is required. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Required Fee/Materials: \$17 May be variable based on provider

Industry Certification: Certified Nursing Assistant / Clinical Medical Assistant

Note: Concurrent enrollment in Anatomy & Physiology is permitted.

*Malpractice Insurance This Course is only offered at Klein Cain HS

Students are required to verify their COVID-19 vaccination records.

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

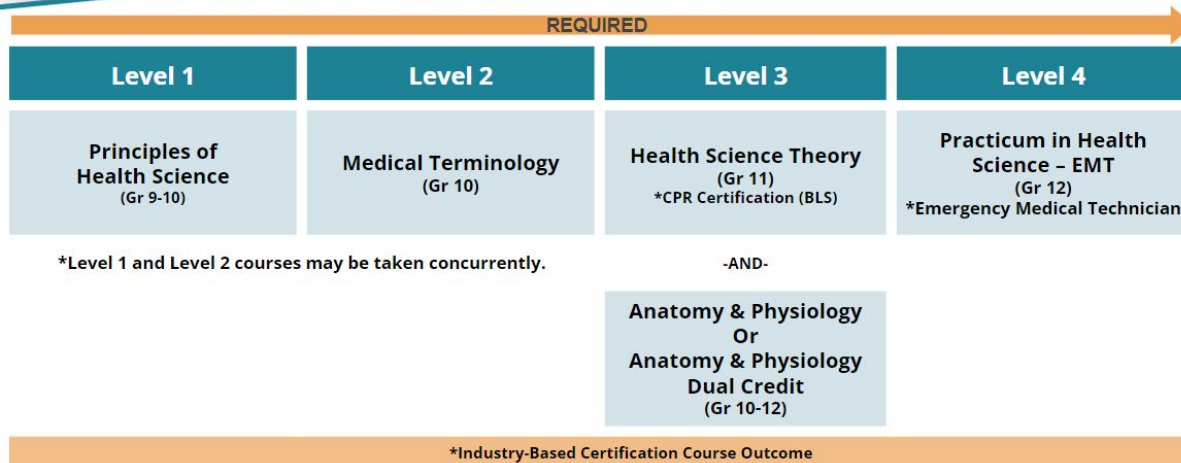
Index



Emergency Medical Technician Pathway



PUBLIC SERVICE AND/OR STEM ENDORSEMENT



PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018

Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

PEIMS: 13020200

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No

Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science OR Concurrent Enrollment in Principles of Health Science

PEIMS: 13020300

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No

Industry Certification: None

Note: Principles of Health Science may be taken concurrently for students in grade 10

HEALTH SCIENCE THEORY

KISD Code: 926318

Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: Principles of Health Science and Medical Terminology

Recommended Prerequisite: Anatomy and Physiology

PEIMS: 13020400

You will develop knowledge and skills related to a wide variety of health careers opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the healthcare profession. Instruction in this course will be classroom based but will lead to several other hands-on, work based learning, or project based learning style courses.

Required Fee/Materials: \$10

Industry Certification: CPR Certification (BLS)

Note: 11th graders may take Medical Terminology and Health Science Theory concurrently.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



ANATOMY & PHYSIOLOGY

KISD Code: 927118 PEIMS: 13020600

Grade: 10 - 12 1 Credit

Grade Points: 5.5

(6.0 Class of 2025)

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18 PEIMS: 13020600

Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note:

Dual Credit Correlation: BIOL 2401

PRACTICUM IN HEALTH SCIENCE - EMT

KISD Code: 927618 PEIMS: 13020500

Grade: 12 2 Credit

Grade Points: 5.5

(6.0 Class of 2025)

Prerequisite: Health Science Theory and Anatomy and Physiology

Recommended Prerequisite: Pharmacology

Age Requirement: Students must be 17 years of age on or before June 1, of their 12th grade year. Students who do not meet the age requirement by a few days may submit the interest form for consideration of acceptance if space is available.

Are you interested in becoming an EMT? Students in this course will gain knowledge and skills related to patient assessment, spinal immobilization, trauma management, treatment of medical emergencies, and mechanical aids to breathing. Participation requires an additional twenty-four (24) hours of ambulance experience, twelve (12) hours of emergency room observation, four (4) hours in the communication center and eight (8) hours for extrication day events. The student must submit documentation for the following: (1) current TB skin test, (2) ten panel drug screening, (3) influenza vaccination, (4) physical examination, (5) documentation of current/updated immunizations, and (6) valid Social Security Number. Student uniform, blood pressure cuff, stethoscope, trauma scissors, penlight, and safety glasses are required prior to contact with patients. Additional requirements or changes in printed requirements are subject to change due to agreements with partnering EMT agencies. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Required Fee/Materials: \$468/\$17 May be variable based on provider

All required fees associated with this course must be paid prior to the course drop date to remain in the course.

Industry Certification: Emergency Medical Technician

Students are required to verify their COVID-19 vaccination records.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Health Science Clinical Pathway

PUBLIC SERVICE AND/OR STEM ENDORSEMENT

REQUIRED			
Level 1	Level 2	Level 3	Level 4
Principles of Health Science (Gr 9-10)	Medical Terminology (Gr 10)	Health Science Theory (Gr 11) *CPR Certification (BLS)	Practicum in Health Science Clinical (Gr 12) *Certified Medical Assistant
*Level 1 and Level 2 courses may be taken concurrently.		-AND-	
		Anatomy & Physiology Or Anatomy & Physiology Dual Credit (Gr 10-12)	
*Industry-Based Certification Course Outcome			

PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018

Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

PEIMS: 13020200

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No

Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science OR Concurrent Enrollment in Principles of Health Science

PEIMS: 13020300

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No

Industry Certification: None

Note:

Principles of Health Science may be taken concurrently for students in grade 10

HEALTH SCIENCE THEORY

KISD Code: 926318

Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: Principles of Health Science and Medical Terminology

Recommended Prerequisite: Anatomy and Physiology

PEIMS: 13020400

You will develop knowledge and skills related to a wide variety of health careers opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the healthcare profession. Instruction in this course will be classroom based but will lead to several other hands-on, work based learning, or project based learning style courses.

Required Fee/Materials: \$10

Industry Certification: CPR Certification (BLS)

Note:

11th graders may take Medical Terminology and Health Science Theory concurrently.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

ANATOMY & PHYSIOLOGY

KISD Code: 927118 PEIMS: 13020600

Grade: 10 - 12 1 Credit

Grade Points: 5.5

(6.0 Class of 2025)

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18 PEIMS: 13020600

Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note:

Dual Credit Correlation: BIOL 2401

PRACTICUM IN HEALTH SCIENCE - CLINICAL

KISD Code: 927918 PEIMS: 13020500

Grade: 12 2 Credit

Grade Points: 5.5

6.0 Class of 2025

Prerequisite: Health Science Theory and Anatomy and Physiology

Through this course, students will develop knowledge and skills related to a wide variety of health careers. Students will observe and assist professional health care personnel in clinical/hospital environments. Students must submit documentation of the following health screenings/status: Tuberculin skin test, proof of Rubella and Rubeola immunity, Varicella immunity, TDAP and Hepatitis B series immunization is required. Due to specific clinical/hospital requirements, students may be required to pass a criminal background check, drug screening, and/or verify personal health insurance coverage with an insurer approved by the hospital/facility in order to participate in the course. Some of the hospital agreements may require students to provide documentation of citizenship status and/or a social security number. Students will be notified at the beginning of the course if other facilities have additional requirements. A uniform, name tag, stethoscope and professional liability insurance is required. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Required Fee/Materials: \$17

Industry Certification: Certified Medical Assistant

Note:* Malpractice Insurance

Students are required to verify their COVID-19 vaccination records.

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Medical Sciences Pathway



PUBLIC SERVICE AND/OR STEM ENDORSEMENT

RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Principles of Health Science (Gr 9)	Medical Terminology (Gr 10)	Anatomy & Physiology Or Anatomy & Physiology Dual Credit (Gr 10-12)	Pathophysiology (Gr 11-12)

*Level 1 and Level 2 courses may be taken concurrently.

Suggested
Concurrent Enrollment

Medical Microbiology
(Gr 11-12)

PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018

PEIMS: 13020200

Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No

Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818 PEIMS: 13020300

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science OR Concurrent Enrollment in Principles of Health Science

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No

Industry Certification: None

Note:Principles of Health Science may be taken concurrently for students in grade 10

ANATOMY & PHYSIOLOGY

KISD Code: 927118 PEIMS: 13020600

Grade: 10 - 12 1 Credit

Grade Points: 5.5

6.0 Class of 2025

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18 PEIMS: 13020600

Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials:

Industry Certification: None

Note: Dual Credit Correlation: BIOL 2401

MEDICAL MICROBIOLOGY

KISD Code: 928118 PEIMS: 13020700

Grade: 11 - 12 1 Credit

Grade Points: 5.5

6.0 Class of 2025

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science, Medical Terminology and/or Anatomy & Physiology.

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Emphasis will be placed on the exploration of the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: Suggested Concurrent Enrollment in A&P or A&P DC

4th Science Credit Option

MEDICAL MICROBIOLOGY DUAL CREDIT

KISD Code: 9281DC18 PEIMS: 13020700

Grade: 11 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science, Medical Terminology and/or Anatomy & Physiology.

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Emphasis will be placed on the exploration of the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Required Fee/Materials:

Industry Certification: None

Note: Dual Credit Correlation BIOL 2420

Offered at Klein High and Klein Collins ONLY

PATHOPHYSIOLOGY

KISD Code: 928218 PEIMS: 13020800

Grade: 11 - 12 1 Credit

Grade Points: 5.5

6.0 Class of 2025

Prerequisite: Anatomy and Physiology

Recommended Prerequisite: Principles of Health Science and Medical Terminology

Students will conduct laboratory and field investigations, use scientific methods during investigations, make informed decisions using critical thinking and scientific problem-solving and demonstrate professional standards as related to business and industry. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Required Fee/Materials: No

Industry Certification: None

Note:

4th Science Credit Option

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Pharmacy Pathway

PUBLIC SERVICE AND/OR STEM ENDORSEMENT

REQUIRED			
Level 1	Level 2	Level 3	Level 4
Principles of Health Science (Gr 9-10)	Medical Terminology (Gr 10)	Health Science Theory (Gr 11) *CPR Certification (BLS)	Practicum in Health Science – Certified Pharmacy Technician (Gr 12) *Certified Pharmacy Technician
*Level 1 and Level 2 courses may be taken concurrently.		- AND -	
		Pharmacology (Gr 11)	
*Industry-Based Certification Course Outcome			

PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018 PEIMS: 13020200

Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No

Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818 PEIMS: 13020300

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science OR Concurrent Enrollment in Principles of Health Science

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No

Industry Certification: None

Note:

Principles of Health Science may be taken concurrently for students in grade 10

HEALTH SCIENCE THEORY

KISD Code: 926318 PEIMS: 13020400

Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: Principles of Health Science and Medical Terminology

Recommended Prerequisite: Anatomy and Physiology

You will develop knowledge and skills related to a wide variety of health careers opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the healthcare profession. Instruction in this course will be classroom based but will lead to several other hands-on, work based learning, or project based learning style courses.

Required Fee/Materials: \$10

Industry Certification: CPR Certification (BLS)

Note:

11th graders may take Medical Terminology and Health Science Theory concurrently.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

PHARMACOLOGY

KISD Code: 926718 PEIMS: 13020950

Grade: 11 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science and Medical Terminology

You will study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN HEALTH SCIENCE - CERTIFIED PHARMACY TECHNICIAN

KISD Code: 927718 PEIMS: 13020500

Grade: 12 2 Credit

Grade Points: 5.5

(6.0 Class of 2025)

Prerequisite: Health Science Theory and Pharmacology

You will gain knowledge and skills for certification as a Certified Pharmacy Technician. Course is comprised of classroom instruction, lab applications, and independent study. You will learn federal and state law pertaining to the pharmacy industry, drug classifications, medical terminology, ethical and legal issues, safety, aseptic technique, calculations, career opportunities, and pharmacy operations. Upon successful completion of the course, you will be eligible to test for the national Certified Pharmacy Technician certification. You must provide proof of a high school diploma to receive certification. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification:

Certified Pharmacy Technician

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



HealthCare Diagnostics Pathway

PUBLIC SERVICE AND/OR STEM ENDORSEMENT

REQUIRED

Level 1	Level 2	Level 3	Level 4
Principles of Health Science (Gr 9-10)	Medical Terminology (Gr 10)	Health Science Theory (Gr 11) *CPR Certification (BLS)	Practicum in Health Science - Diagnostics (Gr 12) *Certified Medical Assistant *Certified EKG Technician

*Level 1 and Level 2 courses may be taken concurrently.

-AND-

Anatomy & Physiology
-OR-
Anatomy & Physiology
Dual Credit
(Gr 10-12)

*Industry-Based Certification Course Outcome

PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018

PEIMS: 13020200

Grade: 9

1 Credit

Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No

Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818

PEIMS: 13020300

Grade: 10

1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science OR Concurrent Enrollment in Principles of Health Science

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No

Industry Certification: None

Note: Principles of Health Science may be taken concurrently for students in grade 10

HEALTH SCIENCE THEORY

KISD Code: 926318

PEIMS: 13020400

Grade: 11

1 Credit

Grade Points: 5.5

Prerequisite: Principles of Health Science and Medical Terminology

Recommended Prerequisite: Anatomy and Physiology

You will develop knowledge and skills related to a wide variety of health careers opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the healthcare profession. Instruction in this course will be classroom based but will lead to several other hands-on, work based learning, or project based learning style courses.

Required Fee/Materials: \$10

Industry Certification: CPR Certification (BLS)

Note: 11th graders may take Medical Terminology and Health Science Theory concurrently.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

ANATOMY & PHYSIOLOGY

KISD Code: 927118

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 5.5

(6.0 Class of 2025)

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note:

Dual Credit Correlation: BIOL 2401

PRACTICUM IN HEALTH SCIENCE- DIAGNOSTICS

KISD Code: 926218

PEIMS: 13020500

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Health Science Theory and Anatomy and Physiology

Are you interested in pursuing a career in the health care diagnostic industry? Students in this course will learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students will recognize that quality health care depends on their ability to work well with others. This course comprises diagnostic services and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students will learn about the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue health science certifications such as Certified Medical Assistant and Certified EKG Technician. Through this course students will be able to participate in extended learning experiences through the HOSA organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Required Fee/Materials: No

Industry Certification:

Certified Medical Assistant

Certified EKG Technician

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Exercise Science & Wellness Pathway



PUBLIC SERVICE AND/OR STEM ENDORSEMENT

REQUIRED

Level 1	Level 2	Level 3	Level 4
Principles of Exercise Science & Wellness (Gr 9-10)	Kinesiology I (Gr 10-11)	Kinesiology II (Gr 11-12)	Exercise Science & Wellness Capstone (Gr 12) *Certified Personal Trainer
		-AND-	-AND-
		Anatomy & Physiology Or Anatomy & Physiology Dual Credit (Gr 10-12)	Sports Medicine (Gr 12)
*Industry-Based Certification Course Outcome			

PRINCIPLES OF EXERCISE SCIENCE & WELLNESS

KISD Code: 926118 PEIMS: N1302107
Grade: 9-10 1 Credit

Grade Points: 5.0

Prerequisite:

The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards. Students who take this course are ideally interested in such careers as physical therapy, athletic training, nutrition, personal training, and recreational therapy. The central focus of this course is to provide students with a solid foundation in the topics of health and wellness and increase their interest in the various careers available in these fields.

Required Fee/Materials: No

Industry Certification: None

KINESIOLOGY I

KISD Code: PEIMS: N1302104
Grade: 10-11 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Exercise Science & Wellness

This course is designed to introduce students to the basic concepts of kinesiology. Students will gain an understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance. Students will also explore careers within the kinesiology field and be able to explain the societal demand for kinesiology-related jobs. Students will develop a foundation in Kinesiology I that will prepare them for upper-level courses that will dive deeper into the anatomical and physiological functions of the body and provide opportunities for an industry-certified exam such as a certified personal trainer.

Required Fee/Materials: No

Industry Certification: None

KINESIOLOGY II

KISD Code: PEIMS: N1302124
Grade: 11-12 1 Credit

Grade Points: 5.0

Prerequisite: Kinesiology I

The Kinesiology II course is designed to provide students an advanced level of knowledge, skills, and understanding of body composition and the effect on health, nutritional needs of physically active individuals, qualitative biomechanics, application of therapeutic modalities, appropriate rehabilitation services, and aerobic training intensity programs. The course is designed to allow students to advance their understanding of professional standards, employability skills, and ethical and legal standards. Throughout this course, students explore the healthcare/exercise business model and gain an understanding of therapeutic sports psychology. Students develop proper aerobic fitness programs and rehabilitation programs.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

ANATOMY & PHYSIOLOGY

KISD Code: 927118

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 5.5 (6.0 Class of 2025)

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note:

Dual Credit Correlation: BIOL 2401

Exercise Science & Wellness Capstone

KISD Code:

PEIMS:

Grade: 12

1 Credit

Grade Points: 5.5

Prerequisite:

The capstone course offers students in the Exercise Science and Wellness Pathway an opportunity to gain practical experience as it relates to each student's educational and career goals. Emphasis will be placed on professionalism, employment strategies, career options, and current issues in the health and fitness field. At the completion of the course the student prepares a professional portfolio and sits for the Certified Personal Trainer certification exam.

Required Fee/Materials: No

Industry Certification: Certified Personal Trainer

Note:

SPORTS MEDICINE 2

KISD #: 1660

Grades: 9-12

1 Credit

Prerequisite:

Application and Athletic Trainer Approval

This course is an upper level course that builds on the information learned in Sports Medicine 1. The objective of this class is to complete the student's exposure to the field of athletic training and its demands. Topics covered include the Anatomy and Physiology of the upper body and Rehabilitation Principles and Techniques to affected regions of the body. Current trends and concepts involving Sports Medicine will also be covered. Involvement in this course will require after school and weekend commitment.

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Cosmetology Pathway



PUBLIC SERVICE ENDORSEMENT

REQUIRED	
Level 3	Level 4
Cosmetology I/Lab (Gr 11)	Cosmetology II/Lab -AND- Cosmetology Careers (Gr 12) *Texas Cosmetology Operator
*Industry-Based Certification Course Outcome	

COSMETOLOGY I /LAB

KISD Code: 962618

PEIMS: 13025210

Grade: 11

3 Credit

Grade Points: 5.0

Prerequisite: Approval Process

Students will participate in a two-year program designed to teach the profession of beauty culture. One class period is devoted to classroom work for the study of cosmetology theory. Two class periods each day are devoted to practice in the laboratory to increase each student's manipulative skills. After two years the students should have fulfilled the 1000-hour requirement to take the Texas Department of Licensing and Regulation (TDLR) examination to become a licensed hairstylist. Occupational opportunities are hairstylist, platform artist, wig stylist, manicurist, makeup artist, manager of a beauty supply firm or beauty salon, owner of beauty salon, and color technician. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$350/\$350/\$26

Industry Certification: None

Note: Approval Process: Yes

COSMETOLOGY II/LAB

KISD Code: 962418

PEIMS: 13025310

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Successful completion of Cosmetology I and a minimum of 450 hours

Students who have completed Cosmetology I and the required 425 hours you are eligible to participate in the second year of the Cosmetology program. One class period is devoted to classroom work for the study of cosmetology theory. Two class periods each day are devoted to practice in the laboratory to increase each student's manipulative skills. Cosmetology II students are required to enroll in an 8th period. After two years the students should have fulfilled the 1000-hour requirement to take the Texas Department of Licensing and Regulation (TDLR) examination to become a licensed hairstylist. Once the required hours are met, TDLR requires a written exam fee. The written exam must be passed before applying for the practical exam. Students eligible for the exam are responsible for all exam fees. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$350/\$350/\$131

Industry Certification: Texas Cosmetology Operator

Note: Students are required to enroll in an 8th period class.

COSMETOLOGY CAREERS

KISD Code: 965418

PEIMS: N1302540

Grade: 12

2 Credit

Grade Points: 5.0

Prerequisite: Successful completion of Cosmetology I and a minimum of 450 hours

If you have completed Cosmetology I and the required 425 hours you are eligible to participate in the second year of the Cosmetology program. One class period is devoted to classroom work for the study of cosmetology theory. Two class periods each day are devoted to practice in the laboratory to increase each student's manipulative skills. Cosmetology II students are required to enroll in an 8th period. After two years the students should have fulfilled the 1000-hour requirement to take the Texas Department of Licensing and Regulation (TDLR) examination to become a licensed hairstylist. Once the required hours are met, TDLR requires a written exam fee. The written exam must be passed before applying for the practical exam. Students eligible for the exam are responsible for all exam fees. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: Texas Cosmetology Operator

Note: Students are required to enroll in an 8th period class.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

Family & Community Services Pathway



PUBLIC SERVICE ENDORSEMENT

RECOMMENDED			REQUIRED	
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Principles of Human Services (Gr 7-9)	Lifetime Nutrition & Wellness SEMESTER ONLY (Gr 9-12)	Human Growth & Development (Gr 10-11)	Family & Community Services (Gr 11-12)	Practicum in Family & Community Services (Gr 12)

-AND-

Interpersonal Studies
SEMESTER ONLY
(Gr 9-12)

PRINCIPLES OF HUMAN SERVICES

KISD Code: 933118

PEIMS: 13024200

Grade: 7 - 9

1 Credit

Grade Points: 5.0

Prerequisite: None

You will gain the knowledge and skills related to personal human development. The course will enable you to investigate careers in the human services career cluster, including early childhood development, family and community, mental health and personal care services. Content includes decision making, positive relationships, child development, nutrition and food production, finance, and personal grooming as it relates to personal and professional settings. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Required Fee/Materials: \$20/\$20

Industry Certification: None

LIFETIME NUTRITION & WELLNESS

KISD Code: 934818

PEIMS: 13024500

Grade: 9 - 12

Grade Points: 5.0 0.5 Credit

Prerequisite: None

You will gain knowledge of the roles of nutrients in the body and develop an understanding of lifetime wellness and nutrition principles. You are encouraged to apply these principles in making educated choices that promote lifelong wellness. You will demonstrate knowledge of nutrition and effective work habits such as cooperation, responsibility, time management and problem solving in the food laboratory and classroom. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: None

INTERPERSONAL STUDIES

KISD Code: 933018

PEIMS: 13024400

Grade: 9 - 12 0.5 Credit

Grade Points: 5.0

Prerequisite: None

You will gain knowledge of how relationships between individuals and among family members affect the quality of life. The areas of study include personal development, decision making, components of a healthy relationship, communication skills and conflict resolution, mate selection, the role of family members, responsible parenting, and crisis management. Interpersonal Studies includes the study of careers in counseling and mental health services.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

HUMAN GROWTH & DEVELOPMENT

KISD Code: 932818

PEIMS: 13014300

Grade: 10 - 11

1 Credit

Grade Points: 5.0

Prerequisite: None

Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

Required Fee/Materials: No

Industry Certification: None

FAMILY & COMMUNITY SERVICES

KISD Code: 932618

PEIMS: 13024900

Grade: 11 - 12

1 Credit

Grade Points: 5.0

Prerequisite: Human Growth & Development *OR Child Development for Classes of 2023 & 2024

Family and Community Services is a laboratory-based course designed to involve you in realistic and meaningful community-based activities through direct service or service learning experiences. You are provided opportunities to interact with and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.

Required Fee/Materials: \$25

Industry Certification: None

PRACTICUM IN FAMILY & COMMUNITY SERVICES

KISD Code: 932718

PEIMS: 13025000

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Family and Community Services

Practicum in Family and Community Services provides background knowledge and occupation-specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, as well as family and community-services careers.

Required Fee/Materials: \$30

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

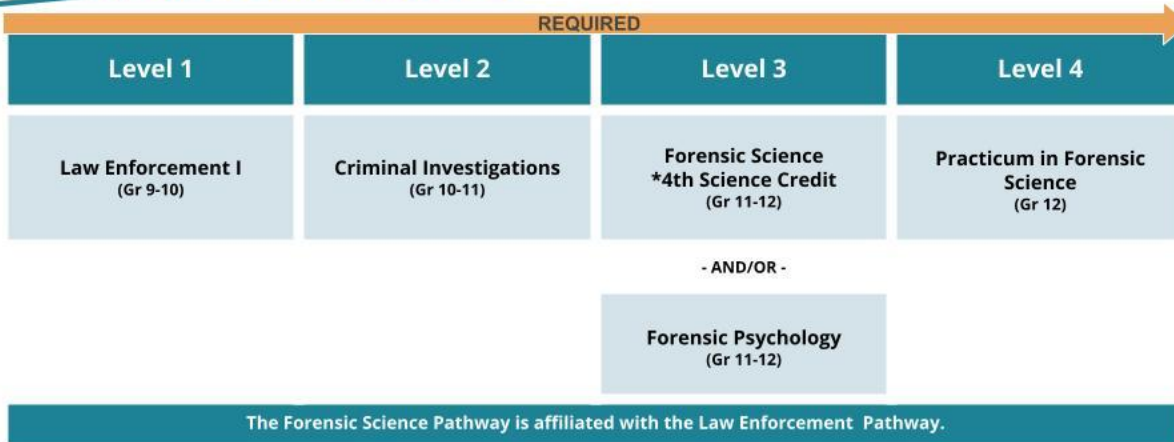
Course Fees

Index



Forensic Science Pathway

PUBLIC SERVICE ENDORSEMENT



LAW ENFORCEMENT I

KISD Code: 963018 PEIMS: 13029300

Grade: 9 - 10 1 Credit

Grade: 11 (Class of 2024 ONLY)

Grade Points: 5.0

Prerequisite: None

You will develop an introductory knowledge of the history, organization, and functions of local, state, and federal law enforcement. You will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime

Required Fee/Materials: No

Industry Certification: None

CRIMINAL INVESTIGATION

KISD Code: 963618 PEIMS: 13029550

Grade: 10 - 11 1 Credit

Grade: 12 (Class of 2024 ONLY)

Grade Points: 5.0

Prerequisite: Law Enforcement I

You will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation.

Required Fee/Materials: No

Industry Certification: None

FORENSIC PSYCHOLOGY

KISD Code: 965318 PEIMS: N1303012

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Criminal Investigations

The course involves understanding criminal law in the relevant jurisdictions to be able to interact within the criminal justice system. You will understand and apply basic skills developed in psychology and criminal scenarios resulting in a structured and scientific approach to investigative analysis; thereby, enabling police and law enforcement officials to predict criminal activity via scientific analysis rather than intuition. You will learn basic structured psychological investigative techniques in question building, interviewing, criminal behavior characteristics, truth detection methodology, research methods, statistical analysis and probability forecasting.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index

FORENSIC SCIENCE

KISD Code: 963518

PEIMS: 13029500

Grade: 11 - 12

1 Credit

Grade Points: 5.5

Prerequisite: Law Enforcement I and Biology I and Chemistry I

You will apply science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. You will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, you will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. You will also learn the history and the legal aspects as they relate to each discipline of forensic science. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note:

4th Science Credit Option

PRACTICUM IN FORENSIC SCIENCE

KISD Code: 964318

PEIMS:

Grade: 11 - 12

2 Credit

Grade Points: 6.0

Prerequisite: Forensic Science and/or Forensic Psychology

You will apply science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. You will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, you will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. You will also learn the history and the legal aspects as they relate to each discipline of forensic science. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Required Fee/Materials: No

Industry Certification: None

Note:

4th Science Credit Option

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



CORRECTIONAL SERVICES

KISD Code: 963318

PEIMS: 13029700

Grade: 11 - 12

1 Credit

Grade Points: 5.0

Prerequisite: Law Enforcement I

You will gain knowledge and skills necessary to prepare for a career as a municipal, county, state, or federal correctional officer. You will learn the role and responsibilities of a county or municipal correctional officer; discuss relevant rules, regulations, and laws of municipal, county, state, or federal facilities; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the municipal, county, state, or federal correctional setting. You will analyze rehabilitation and alternatives to institutionalization for inmates.

Required Fee/Materials: No

Industry Certification: None

CORRECTIONAL SERVICES DC

KISD Code: 9634DC18

PEIMS: 13029700

Grade: 11 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Federal Law & Protective Services or Criminal Investigations

You will gain knowledge and skills necessary to prepare for a career as a municipal, county, state, or federal correctional officer. You will learn the role and responsibilities of a county or municipal correctional officer; discuss relevant rules, regulations, and laws of municipal, county, state, or federal facilities; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the municipal, county, state, or federal correctional setting. You will analyze rehabilitation and alternatives to institutionalization for inmates.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN LAW ENFORCEMENT

KISD Code: 962918

PEIMS: 13030100

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite:

Law Enforcement I and 1 Upper

Level Criminal Justice Course

This course is taught in conjunction with the support of the Klein ISD Police Department at the district police facility. Students in this course will have opportunities to participate in simulated situations such as tactical force training, building search, felony and basic traffic stops, fingerprinting, evidence handling and basic patrol procedures. The Practicum in Law class assists the Klein Police Department with events such as football games and large meetings for crowd control. Field experiences may include Harris County Criminal Courts, Texas DPS Headquarters, TDCJ prison system, Homeland security and Houston Police Division. Students will be required to pass a criminal background check, complete confidentiality waiver forms and provide tactical boots to be worn with the issued uniform.

Required Fee/Materials: \$35

Industry Certification: Non-Commissioned Security Officer Level 2

Note:

Classes will meet at the Klein ISD Police Department, student transportation is needed.

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Law Enforcement Pathway

PUBLIC SERVICE ENDORSEMENT



LAW ENFORCEMENT I

KISD Code: 963018 PEIMS: 13029300

Grade: 9 - 10 1 Credit

Grade: 11 (Class of 2024 ONLY)

Grade Points: 5.0

Prerequisite: None

You will develop an introductory knowledge of the history, organization, and functions of local, state, and federal law enforcement. You will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime

Required Fee/Materials: No

Industry Certification: None

FEDERAL LAW ENFORCEMENT & PROTECTIVE SERVICES

KISD Code: 963718 PEIMS: 13029800

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Law Enforcement I

You will gain knowledge of security elements and types of organizations with a focus on security measures used to protect lives, property, and proprietary information, to ensure computer security, to provide information assurance, and to prevent cybercrime.

Required Fee/Materials: No

Industry Certification: None

CRIMINAL INVESTIGATION

KISD Code: 963618 PEIMS: 13029550

Grade: 10 - 11 1 Credit

Grade: 12 (Class of 2024 ONLY)

Grade Points: 5.0

Prerequisite: Law Enforcement I

You will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation.

Required Fee/Materials: No

Industry Certification: None

LAW ENFORCEMENT II

KISD Code: 963118 PEIMS: 13029400

Grade: 11 - 12 1 Credit

Grade: 12 (Class of 2024 ONLY)

Grade Points: 5.0

Prerequisite: Federal Law & Protective Services or Criminal Investigations

You will gain knowledge and skills necessary to prepare for a career in law enforcement. You will understand ethical and legal responsibilities, patrol procedures, first responder roles, telecommunications, emergency equipment operations, and courtroom testimony.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

Legal Studies Pathway



PUBLIC SERVICE ENDORSEMENT

REQUIRED			
Level 1	Level 2	Level 3	Level 4
Law Enforcement I (Gr 9-10)	Court Systems & Practices -OR- Court Systems & Practices Dual Credit* (Gr 10-11)	Advanced Legal Skills & Professions (Gr 11-12)	Practicum in Legal Studies (Gr 12)
*Business Law -OR- Business Law Dual Credit (Gr 10-12) may be taken with this pathway. (Refer to the Business Management Pathway.)			

LAW ENFORCEMENT I

KISD Code: 963018 PEIMS: 13029300

Grade: 9 - 10 1 Credit

Grade: 11 (Class of 2024 ONLY)

Grade Points: 5.0

Prerequisite: None

You will develop an introductory knowledge of the history, organization, and functions of local, state, and federal law enforcement. You will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime

Required Fee/Materials: No

Industry Certification: None

COURT SYSTEMS & PRACTICES

KISD Code: 963418 PEIMS: 13029600

Grade: 10 - 11 1 Credit

Grade: 12 (Class of 2024 ONLY)

Grade Points: 5.0

Prerequisite: Law Enforcement I

You will develop an introductory knowledge of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.

Required Fee/Materials: No

Industry Certification: None

COURT SYSTEMS & PRACTICES DC

KISD Code: 9634DC18 PEIMS: 13029600

Grade: 10 - 11 1 Credit

Grade: 12 (Class of 2024 ONLY)

Grade Points: 6.0

Prerequisite: Law Enforcement I

You will develop an introductory knowledge of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



ADVANCED LEGAL SKILLS AND PROFESSIONS

KISD Code: 960918

PEIMS: N1303016

Grade: 11 - 12

1 Credit

Grade Points: 5.0

Prerequisite: Court Systems and Practices

Advanced Legal Skills and Professions provides students with a foundation to understand the basic mechanics of the U.S. legal system. Building on prior instruction in constitutional issues and the basics of American court systems, this course provides insight into the practical application of the law, as well as civil and criminal procedure, giving students a hands-on opportunity to experience a variety of legal professions.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN LEGAL STUDIES

KISD Code: 964818

PEIMS: 13030100

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Advanced Legal Skills and Professions or Business Law and Court Systems ; Approval Process

This practicum course is designed to give you a supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. You will be reviewing the occupations and educational opportunities related to representing clients in criminal and civil litigation and other legal proceedings.

Required Fee/Materials: No

Industry Certification: None

Note: Transportation needed

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



REQUIRED			
Level 1	Level 2	Level 3	Level 4
ROTC 1	ROTC 2	ROTC 3	ROTC 4

Space Force JROTC

(Klein

High)

The Space Force focuses on issues related to cyber security and keeping our satellites up and running out in space. It also focuses on monitoring the integrity of our cellphone communication, making sure that is not hacked.

Air Force JROTC

(Klein Forest, Klein Oak and Klein Collins)

The mission of Air Force Junior ROTC (AFJROTC) is to "develop citizens of character dedicated to serving their nation and community". The goal of the program is to instill in high school cadets the values of citizenship, service to the United States, personal responsibility, and a sense of accomplishment. The program educates and trains high school cadets in citizenship, promotes community service, instills responsibility, character, and self-discipline. AFJROTC is a four-year program for high school students. It is a balance of study that is 40% Aerospace Science, 40% Leadership Education, and 20% Wellness Education.

AFJROTC 1/SFJROTC 1

KISD #: 1901

PEIMS: PES00004

Grades: 9-12

1.0 Credit

Prerequisite:

None

Aerospace Science 100: Milestones in Aviation History: This is an aviation course focusing on the development of flight throughout the centuries.

Leadership Education 100: Traditions, Wellness and Foundations of Citizenship: This course introduces cadets to the AFJROTC program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. **Leadership Education 500: Drill and Ceremonies:** This course provides an in-depth introduction to drill and ceremonies. **Wellness Education:** This is an official and integral part of AFJROTC. It consists of two exercise programs focused upon individual baseline improvements with the goal of achieving a national standard as calculated by age and gender.

Required Fee/Materials: Yes

Approval Process: Yes

Army JROTC

(Klein Cain)

The mission of Army Junior Reserve Officer Training Corps (AJROTC) is "To Motivate Young People to be Better Citizens". AJROTC prepares students for leadership roles while making them aware of their rights, responsibilities, and privileges as Americans. To accomplish this mission, the program of instruction provides education in citizenship, leadership, life success, geography, and wellness to help students succeed in high school and after graduation. The program promotes graduation from high school and provides instructional opportunities which benefit the student, community, and nation. The program produces successful students and productive adults, while offering a constructive and disciplined learning environment. AJROTC is an elective course offering leadership education and physical training to high school students through four academic years, 9th through 12th grade.

Wearing the military uniform once a week is a requirement to participate in AJROTC. While in uniform, Cadets must meet the minimum appearance standards listed in the appropriate regulation, including haircut standards.

AJROTC I

KISD #: 1901

PEIMS: PES00004

Grades: 9-12

1.0 Credit

Prerequisite:

None

Study leadership theory and application, foundation for success, communication/study skills, citizenship, military customs and courtesies, physical training, drill, map reading, and the history and objective of JROTC. Can be used to satisfy PE requirement. **Required Fee/Materials:** Yes

Approval Process: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

AFJROTC 2/SFJROTC 2

KISD #: 1902
Grades: 10-12
Prerequisite:

PEIMS: 03160200
1.0 Credit
AFJROTC 1

AFJROTC 3/SFJROTC 3

KISD #: 1903
Grades: 11-12
Prerequisite:

PEIMS: 03160300
1.0 Credit
AFJROTC 2

Aerospace Science 200: The Science of Flight: A Gateway to New Horizons: This is a science course designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation.

Aerospace Science 220: Cultural Studies: An Introduction to Global Awareness: Introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness.

Aerospace Science 300: Exploring Space: The High Frontier: Includes the latest information available in space science and space exploration. The course covers the human aspect of spaceflight, focusing on the human experience in space.

Leadership Education 200: Communication, Awareness, and Leadership: The course stresses communication skills, and cadet corps activities.

Leadership Education 300: Life Skills and Career Opportunities: The course prepares students for the diverse, high-tech, globally oriented workplace.

Leadership Education 500: Drill and Ceremonies: Note explanation in Course 1901.

Wellness Education: Note explanation in Course 1901. Legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

Required Fee/Materials: Yes

Approval Process: Yes

AFJROTC 4/SFJROTC 4

KISD #: 1904
Grades: 12

PEIMS: 03160400
1.0 Credit

Prerequisite: AFJROTC 3

Aerospace Science 400: Management of the Cadet Corps: Cadets manage the entire corps during their 4th year in JROTC. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice.

Aerospace Science 410: Survival: Survive—Return: Instruction provides training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. **Leadership Education 400: Principles of Management:** Provides exposure to the fundamentals of management.

Leadership Education 500: Drill and Ceremonies: Note explanation in Course 1901.

Wellness Education: Note explanation in Course 1901.

Optional - Aerospace Science 500: Aviation Honors Ground School Program: Material covered is an advanced, more in-depth study of previous aerospace topics. The course is the foundation for students interested in earning a private pilot's license. **Required Fee/Materials:** Yes

Approval Process: Yes

AJROTC II

KISD #: 1902
Grades: 10-12
Prerequisite:

PEIMS: 03160200
1.0 Credit
AJROTC I
Klein Cain HS

Campus:

Study of wellness, fitness and first aid, drug awareness, ethical values, and principles of good citizenship in American history and Government. Demonstrate knowledge of drill, map reading and physical training, with emphasis on methods of instruction.

Required Fee/Materials: Yes

Approval Process: Yes

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



AJROTC III

KISD #: 1903

Grades: 11-12

Prerequisite:

Campus:

PEIMS: 03160300

1.0 Credit

AJROTC II

Klein Cain HS

Study of leadership strategies, foundation of success, managing conflict, career planning, financial planning, citizenship in American history and government with continued practical work in leadership, drill, technology awareness, and methods of instruction, map reading and physical training.

Required Fee/Materials: Yes

Approval Process: Yes

AJROTC IV

KISD #: 1904

Grades: 12

Prerequisite:

Campus:

PEIMS: 03160400

1.0 Credit

AJROTC III

Klein Cain HS

Demonstrate leadership potential as a role model, coach, counselor, management skill and assistant instructor. Study service to the Nation and financial planning, with continued practical work in drill, technology awareness, physical training and command and staff principles.

Required Fee/Materials: Yes

Approval Process: Yes

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Other CTE Courses

[Table of Contents](#)[Graduation Plan](#)[Special Programs](#)[Core Courses](#)[STEM](#)[Business & Industry](#)[Public Service](#)[Arts & Humanities](#)[Multi-Disciplinary](#)[Advanced Academics](#)[Accelerated Pathways](#)[Course Fees](#)[Index](#)

FINANCIAL MATHEMATICS

KISD Code: 919018

Grade: 10 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Algebra 1

PEIMS: 13018000

You will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. You will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution.

Required Fee/Materials: No

Industry Certification: None

FOOD TECHNOLOGY & SAFETY

KISD Code: 906718

Grade: 10 - 12 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13001300

Through this course you will examine world food production, governmental regulations regarding foods, and food safety. Methods of processing, preparing, and packaging of foods; exploration of career opportunities, and leadership development are also a vital part of this course. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$75

Industry Certification: ServSafe Handler



Arts & Humanities Endorsement

Visual Art 150

Theatre Arts 155

Music 159

Dance 161

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Visual Art

ART 1

KISD #: 3100

Grades: 9-12

1 Credit

Prerequisite: None

Art 1 is a foundation course for the novice or for students with some experience. Students will have the opportunity to develop their own artistic style by creating original artworks in drawing, painting, printmaking, sculpture, and mixed media with an emphasis on studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 2 - DRAWING

KISD #: 3104

Grades: 9-12

1 Credit

Prerequisite: Successful completion of Art 1 and portfolio review if Art 1 was taken at the middle school level

Art 2 - Drawing is an intermediate course that builds on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to experience a variety of drawing media such as pencil, pen, ink, charcoal, and pastels while further developing the student's individual style with an emphasis on studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 2 - DIGITAL ART & MEDIA

KISD #: 3109

Grades: 9-12

1 Credit

Prerequisite: Successful completion of Art 1 and portfolio review if Art 1 was taken at the middle school level

Students explore innovative methods and means of creating original, electronically generated artwork using digital and other new contemporary media tools, while building upon traditional art concepts and processes. Students build a visual digital portfolio throughout the course. Careers in the field of digital media are introduced. A course fee is required.

ART 2 - PAINTING

KISD #: 3105

Grades: 9-12

1 Credit

Prerequisite: Successful completion of Art 1 and portfolio review if Art 1 was taken at the middle school level

Art 2 - Painting is an intermediate course that builds on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to explore a variety of painting techniques and processes while further developing the student's individual style with an emphasis on studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 2 - PHOTOGRAPHY

KISD #: 3106

Grades: 9-12

1 Credit

Prerequisite: Successful completion of Art 1 and portfolio review if Art 1 was taken at the middle school level

Art 2 - Photography is a foundation course that expands on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to explore a variety of photographic techniques and processes while further developing the student's individual style with an emphasis on studio production. Training in camera and equipment operation will be provided. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 2 - CERAMICS

KISD #: 3107

Grades: 9-12

1 Credit

Prerequisite: Successful completion of Art 1 and portfolio review if Art 1 was taken at the middle school level

Art 2 - Ceramics is an intermediate course that builds on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to explore a variety of ceramic techniques and processes while further developing the student's individual style. Techniques will include basic hand building and glazing with an emphasis on studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



ART 2 - SCULPTURE

KISD #: 3108

Grades: 9-12

1 Credit

Prerequisite: Successful completion of Art 1 and portfolio review if Art 1 was taken at the middle school level

Art 2 - Sculpture is an intermediate course that builds on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to explore a variety of sculpture techniques and processes while further developing the student's individual style. Students will work from a variety of subject matter using both additive and subtractive sculptural methods with materials such as clay, wire, papier mache and found objects emphasizing studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 3 LEVEL COURSES

Grades: 10-12

1 Credit

Prerequisite: Successful completion of the Art 2 corresponding discipline course.

All Art 3 level courses are advanced and place a strong focus on technique, personal voice, and creativity. Students are directed to work on independent projects. These courses will emphasize students creating original artwork for exhibition and/or portfolio purposes. A course fee is required.

Art 3 - Drawing (1 Unit) (3110)

Art 3 - Ceramics (1 Unit) (3113)

Art 3 - Painting (1 Unit) (3111)

*Art 3 - Photography (1 Unit) (3116)

Art 3 - Sculpture (1 Unit) (3114)

Art 3 - Digital Art & Media (1 unit) (3117)

In **photography, students must supply their own non-automatic, 35mm camera, film, and supplies. Klein Cain High School students must supply their own digital camera.*

ART 3: DIGITAL ART & MEDIA

KISD #: 3117

Grades: 10-12

1 Credit

Prerequisite: Successful completion of the Art 2 corresponding discipline course.

Students focus on an increasingly deeper understanding and mastery of skills and techniques introduced in Art 2: Digital Art & Media. Students continue to use digital and other new media tools experimentally to create original electronically generated artwork that amplifies and extends image making beyond traditional techniques. Students build a visual digital portfolio throughout the course. Students are responsible for the cost of materials used in products they take home. A course fee is required.

ART 4 LEVEL COURSES

Grades: 11-12

1 Credit

Prerequisite: Successful completion of a parallel Art 3 course

Up to three units of credit from varied combinations of courses listed below are available at the Art IV level. All Art 4 level courses are advanced and place a strong focus on technique, personal voice, and creativity. Students are directed to work on independent projects focusing on a concentration of the student's choosing with a variety of media. These courses will emphasize students creating original artwork for exhibition and/or portfolio purposes. A course fee is required. **Students are responsible for the cost of materials used in products they take home.**

Art 4 - Drawing (1 Unit) (3121)

Art 4 - Painting (1 Unit) (3122)

Art 4 - Ceramics (1 Unit) (3124)

*Art 4 - Photography (1 Unit) (3127)

Art 4 - Sculpture (1 Unit) (3125)

Art 4 - Digital Art & Media (1 unit) (3128)

In **photography, students must supply their own non-automatic, 35mm camera, film, and supplies. Klein Cain High School students must supply their own digital camera.*

Any Art Level 4 course receives advanced grade points.

ART 4: DIGITAL ART & MEDIA

KISD #: 3128

Grades: 11-12

1 Credit

Prerequisite: Successful completion of the Art 3 corresponding discipline course.

Students focus on an increasingly deeper understanding and mastery of skills and techniques introduced in Art 3: Digital Art & Media. Students continue to use digital and other new media tools experimentally to create original electronically generated artwork that amplifies and extends image making beyond traditional techniques. Students build a visual digital portfolio throughout the course. Students are responsible for the cost of materials used in products they take home. A course fee is required. **Any Art Level 4 course receives advanced grade points.**

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

ADVANCED PLACEMENT® 2-D ART AND DESIGN

KISD #: 3132

Grades: 11-12

1 Credit

Prerequisite:

Successful completion of any Art 3 course and portfolio review

In AP® 2-D Art and Design students develop skills through materials and processes such as digital art, photography, printmaking, mixed media and others. Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. **Students must submit the portfolio for evaluation to the AP® program to attain college credit.**

Prerequisite: Any Art 3 course in which received mastery and portfolio review performed by AP teacher. In unique circumstances a student may be placed into AP without Art 3 experience by AP teacher request only.

Students are responsible for the cost of materials used in products they take home and for preparing artwork included in the portfolio as well as the AP® examination fee. Any Art Level 4 course receives advanced grade points.

ADVANCED PLACEMENT® 3-D ART AND DESIGN

KISD #: 3134

Grades: 11-12

1 Credit

Prerequisite:

Successful completion of any Art 3 course and portfolio review

AP® Drawing is an introductory college-level drawing course. Students refine and apply drawing skills to ideas they develop throughout the course. In this course students experiment with a variety of materials and processes as they develop their drawing skills. At the end of the course you'll submit a portfolio that demonstrates the different drawing abilities taught in the course, which include mark-making created with the elements of art in mind, flat surface exploration, and composition awareness. **Students must submit the portfolio for evaluation to the AP® program to attain college credit.**

Prerequisite: Any Art 3 course in which received mastery and portfolio review performed by AP teacher. In unique circumstances a student may be placed into AP without Art 3 experience by AP teacher request only.

Students are responsible for the cost of materials used in products they take home and for preparing artwork included in their portfolio as well as the AP® examination fee. Any Art Level 4 course receives advanced grade points.

ADVANCED PLACEMENT® DRAWING

KISD #: 3131

Grades: 11-12

1 Credit

Prerequisite:

Successful completion of any Art 3 course and portfolio review

AP® 3-D Art and Design is an introductory college-level two-dimensional design course. Students develop 3-D skills in materials and processes, such as sculpture, metal work, ceramics, glass work, and others. You'll create artwork that reflects your own ideas and skills and what you've learned. At the end of the course you'll submit a portfolio that demonstrates your knowledge of art skills using three-dimensional materials. **Students must submit the portfolio for evaluation to the AP® program to attain college credit.**

Prerequisite: Any Art 3 course in which received mastery and portfolio review performed by AP teacher. In unique circumstances a student may be placed into AP without Art 3 experience by AP teacher request only.

Students are responsible for the cost of materials used in products they take home and for preparing artwork included in their portfolio as well as the AP examination fee. Any Art Level 4 course receives advanced grade points.

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



2-D Design Portfolio

Section I: QUALITY (Selected Works)	Section II: CONCENTRATION (Sustained Investigation)	Section III: BREADTH (Range of Approaches)
One-third of total score	One-third of total score	One-third of total score
5 actual works.	12 digital images; some may be details.	12 digital images; 1 image each of 12 different works.
Works demonstrating an understanding of two-dimensional design in concept, composition, and execution.	Works describing an in-depth exploration of a particular 2-D design concern.	A variety of works demonstrating understanding of 2-D design issues.

Drawing Portfolio

Section I: QUALITY (Selected Works)	Section II: CONCENTRATION (Sustained Investigation)	Section III: BREADTH (Range of Approaches)
One-third of total score	One-third of total score	One-third of total score
5 actual works.	12 digital images; some may be details.	12 digital images; 1 image each of 12 different works.
Works demonstrating understanding of drawing in concept, composition, and execution.	Works describing an in-depth exploration of a particular drawing concern.	A variety of works demonstrating understanding of drawing issues.

3-D Design Portfolio

Section I: QUALITY (Selected Works)	Section II: CONCENTRATION (Sustained Investigation)	Section III: BREADTH (Range of Approaches)
One-third of total score	One-third of total score	One-third of total score
10 digital images, consisting of 2 views each of 5 works.	12 digital images; some may be details or second views.	16 digital images; 2 views each of 8 different works.
Works demonstrating an understanding of three-dimensional design in concept, composition, and execution.	Works describing an in-depth exploration of a particular 3-D design concern.	A variety of works demonstrating understanding of 3-D design issues.

INTERNATIONAL BACCALAUREATE® VISUAL ARTS Standard Level (Klein Oak HS Only)

KISD #: 3466

Grades: 11 1 Credit

Prerequisite: Art 1

This course serves as year 1 of a 2 year course design; students will take Visual Arts SL in grade 11. The IB® Diploma Programme Visual Arts course encourages students to challenge their own creative and cultural expectations and boundaries. Students will be exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. These courses are designed for students who want to go on to further study of visual arts in higher education, as well as for those who are seeking lifelong enrichment through visual arts. **Students are responsible for the cost of materials used in products they take home.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® VISUAL ARTS Higher Level (Klein Oak HS Only)

KISD #: 3465

Grades: 12 1 Credit

Prerequisite: IB Visual Arts SL

This course serves as year 2 of a 2 year course design; students will take Visual Arts SL in grade 11. The IB® Diploma Programme Visual Arts HL course builds upon the skills developed in SL. The course encourages students to challenge their own creative and cultural expectations and boundaries. In lieu of a traditional exam, this course culminates through the completion of an exhibition curating 8-11 artworks, a process portfolio of experimentation, exploration, and refinement of a variety of art-making activities, and a comparative study analyzing the influences of artists and the ways in which art influences. **Students are responsible for the cost of materials used in products they take home.**

Advanced Grade Points: Yes

ADVANCED PLACEMENT® ART HISTORY

KISD #: 3136P

Grades: 11-12 1 Credit

Prerequisite: None

The AP® Art History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the students develop in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history. **Students enrolled in this course must take the AP® exam to earn college credit.**

FLORAL DESIGN

KISD Code: 905318

Grade: 10 - 12 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13001800

You will develop and examine floral design in relation to arrangement of flowers, foliage, and related plant materials for interior locations. This course incorporates business practices and careers in the floral industry. You will be responsible for purchasing materials or assessed a fee associated with this course. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials:\$115

Industry Certification:Texas State Floral Association Floral Skills Knowledge Based

Note:

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Theatre Arts

THEATRE ARTS 1

KISD #: 3299

Grades: 9-12

1 Credit

Prerequisite:

None

Theater Arts 1 is a foundation course, which provides a general introduction and exploration of theatre as a performing art. Students explore plays from the perspectives of actors and directors, and examine the strategies of playwrights to develop the ability to imagine the play in performance and to appreciate the range of theatre possibilities.

The course focuses on the expressive use of the body and voice, acting concepts and skills, theatre production concepts and skills, and aesthetic growth through appreciation of theatrical events. Students explore relaxation and preparatory techniques, pantomime, stage movement, voice and diction, improvisation, dramatic structure, analysis and interpretation of scripts and characters, interdependence of all theatrical elements, technical theatre, appreciation of theatre, audience etiquette, and the analysis and evaluation of theatrical experiences. A course fee is required.

THEATRE ARTS 2

KISD #: 3300

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of the previous level of Theater Arts or Theater Production

Theater Arts 2 focuses on an increasingly deeper understanding of theatre concepts and acting skills introduced in the Theater Arts 1 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences. A course fee is required.

THEATRE ARTS 3

KISD #: 3301

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of the previous level of Theater Arts or Theater Production

Theater Arts 3 focuses on an increasingly deeper understanding of theatre concepts and acting skills introduced in the Theater Arts 2 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences and design; public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre. A course fee is required.

THEATRE ARTS 4

KISD #: 3302

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of the previous level of Theater Arts or Theater Production

Theater Arts 4 focuses on an increasingly deeper understanding of theatre concepts and acting skills introduced in the Theater Arts 3 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences. A course fee is required. **Any Theater Level 4 course receives advanced grade points.**

TECHNICAL THEATRE

TECHNICAL THEATRE 1

KISD #: 3303

Grades: 9-12

1 Credit

Prerequisite:

None

Technical Theater 1 is a foundation course which provides a general introduction and exploration of structural facets of theatre arts. The course includes development of stagecraft skills; practice with theatre safety techniques; exploration of scenery, properties, lighting, costumes, makeup, sound, and technical theatre research and design; exploration of public relations; and, the recognition of career opportunities in technical theatre. A course fee is required.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



TECHNICAL THEATRE 2**KISD #: 3304****Grades: 9-12****1 Credit****Prerequisite:****Successful completion of the previous level of technical theatre or screenplay**

Technical Theater 2 focuses on an increasingly deeper understanding of the practical application of theatre concepts and skills introduced in the Technical Theater 1 course. The course encompasses development of stagecraft skills beyond the basic level including exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre. A course fee is required.

TECHNICAL THEATRE 3**KISD #: 3305****Grades: 9-12****1 Credit****Prerequisite:****Successful completion of the previous level of technical theatre or screenplay**

Technical Theater 3 focuses on an increasingly deeper understanding of the practical application of theatre concepts and skills introduced in the Technical Theater 2 course. The course encompasses development of stagecraft skills beyond the previous level including exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication, greater depth of technical theatre research. A course fee is required.

TECHNICAL THEATRE 4**KISD #: 3306****Grades: 9-12****1 Credit****Prerequisite:****Successful completion of the previous level of technical theatre or screenplay**

Technical Theater 4 focuses on an increasingly deeper understanding of the practical application of theatre concepts and skills introduced in the Technical Theater 3 course. The course encompasses development of stagecraft skills beyond the previous level including exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre. A course fee is required.

Any Theater Level 4 course receives advanced grade points.

TECHNICAL THEATRE 1(S)**KISD #: 3311****Grades: 9-12****1 Credit****Prerequisite:****Audition (acting) or Technical Portfolio Review (or exam)**

Technical Theater 1 (S) is a foundation course similar to Technical Theater I while exploring the material in greater depth through student participation in preparation and presentation of campus productions after school. The course includes development of stagecraft skills; practice with theatre safety techniques; exploration of scenery, properties, lighting, costumes, makeup, sound, and technical theatre research and design; exploration of public relations; and, the recognition of career opportunities in technical theatre. A course fee is required.

TECHNICAL THEATRE 2(S)**KISD #: 3312****Grades: 9-12****1 Credit****Prerequisite:****Audition (acting) or Technical Portfolio Review (or exam)**

Technical Theater 2(S) focuses on an increasingly deeper understanding of the practical application of acting and theatre concepts and skills introduced in the Technical Theater 1(S) course. The course encompasses development of stagecraft skills beyond the basic level including exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; active design of public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre.

The after-school time dedicated to the preparation and public performances of student productions provides practical hands-on experiences in stagecraft and supplements the theatre courses that concentrate on theories, information and performance techniques. A course fee is required.

STAGECRAFT**KISD #: 3313****Grades: 9-12****1 Credit****Prerequisite:****Audition (acting) or Technical Portfolio Review (or exam)**

Stagecraft focuses on an increasingly deeper understanding of the practical application of acting and theatre concepts and skills introduced in the Technical Theater 1 course. The course includes development of stagecraft skills beyond the previous level through exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre.

The after-school time dedicated to the preparation and public performances of student productions provides practical hands-on experiences in stagecraft and supplements the theatre courses that concentrate on theories, information and performance techniques. A course fee is required.



ADVANCED STAGECRAFT

KISD #: 3314

Grades: 9-12

1 Credit

Prerequisite: Successful completion of the previous level of technical theatre or scenography and technical portfolio review

Advanced Stagecraft focuses on an increasingly deeper understanding of the practical application of acting and theatre concepts and skills introduced in the Technical Theater 1 course. The course includes development of stagecraft skills beyond the previous level through exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre. A course fee is required. The after-school time dedicated to the preparation and public performances of student productions provides practical hands-on experiences in stagecraft and supplements the theatre courses that concentrate on theories, information and performance techniques. A course fee is required.

Any Theater 4 Level course receives advanced grade points.

THEATRE MANAGEMENT 3

KISD #: 3315

Grades: 11-12

1 Credit

Prerequisite: Successful completion of Theater 1 and 2

Theater Management focuses on increasing deeper understanding of the structure of a theatre as a business. The course encompasses stage management from set building to opening a production, publicity in the modern age, marketing, budgeting, and scheduling of theatrical productions. Additionally, students will gain a working knowledge of various theatre positions that are required to make a theatre company successful. A course fee is required.

ADVANCED THEATRE MANAGEMENT 4

KISD #: 3316

Grades: 11-12

1 Credit

Prerequisite: Successful completion of Theater 1 and 2

Theater Management focuses on increasing deeper understanding of the structure of a theatre as a business. The course encompasses stage management from set building to opening a production, publicity in the modern age, marketing, budgeting, and scheduling of theatrical productions. Additionally, students will gain a working knowledge of various theatre positions that are required to make a theatre company successful. A course fee is required.

THEATRE PRODUCTION 1

KISD #: 3307

Grades: 9-12

1 Credit

Prerequisite: Audition (acting) or Technical Portfolio Review (or exam)

Theater Production 1 is a foundation course similar to Theater Arts I while exploring the material in greater depth through student participation in preparation and presentation of campus productions after school. The course focuses on the expressive use of the body and voice, development of acting and theatre production concepts and skills, and appreciation of theatrical events. Students investigate relaxation and preparatory techniques, pantomime, stage movement, voice and diction, improvisation, dramatic structure, analysis and interpretation of scripts and characters, interdependence of all theatrical elements, technical theatre, appreciation of theatre, audience etiquette, and the analysis and evaluation of theatrical experiences. A course fee is required.

THEATRE PRODUCTION 2

KISD #: 3308

Grades: 9-12

1 Credit

Prerequisite: Successful completion of Theater Production 1 and Audition or Technical Portfolio Review

Theater Production 2 focuses on an increasingly deeper understanding of the acting and theatre concepts and skills introduced in the Theater Production 1 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences.

The after-school time dedicated to the preparation and public performances of student productions provides practical hands-on experiences in stagecraft and supplements the theatre courses that concentrate on theories, information, and performance techniques. A course fee is required.

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



THEATRE PRODUCTION 3

KISD #: 3309

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of Theater Production 2 and Audition or Technical Portfolio Review

Theater Production 3 focuses on an increasingly deeper understanding of the acting and theatre concepts and skills introduced in the Theater Production 2 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences.

The after-school time dedicated to the preparation and public performances of student productions provides practical hands-on experiences in stagecraft and supplements the theatre courses that concentrate on theories, information, and performance techniques. A course fee is required.

THEATRE PRODUCTION 4

KISD #: 3310

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of Theater Production 3 and Audition or Technical Portfolio Review

Theater Production 4 focuses on an increasingly deeper understanding of the acting and theatre concepts and skills introduced in the Theater Production 3 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences. The after-school time dedicated to the preparation and public performances of student productions provides practical hands-on experiences in stagecraft and supplements the theatre courses that concentrate on theories, information, and performance techniques. A course fee is required.

Any Theater Level 4 course receives advanced grade points.

INTERNATIONAL BACCALAUREATE® THEATRE ARTS Standard Level (Klein Oak HS Only)

KISD #: 3462

Grades: 11

1 Credit

Prerequisite:

One-year theatre arts or theatre production in grades 9 or 10

This course serves as year 1 of a 2 year course design; students will take Theatre Arts SL in grade 11. The IB® Diploma Programme Theatre Arts course is multifaceted and gives students the opportunity to actively engage in theatre as creators, designers, directors and performers. It emphasizes working both individually and collaboratively as part of an ensemble. The teacher's role is to create opportunities that allow students to explore, learn, discover and collaborate to become autonomous, informed and skilled theatre-makers. Students learn to apply research and theory to inform and to contextualize their work. Through researching, creating, preparing, presenting and critically reflecting on theatre, they gain a richer understanding of themselves, their community and the world. These courses are designed for students who want to further study theatre arts in higher education, as well as those who are seeking lifelong enrichment through visual arts.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® THEATRE ARTS Higher Level (Klein Oak HS Only)

KISD #: 3463

Grades: 12

1 Credit

Prerequisite:

IB Theatre Arts SL

This course serves as year 2 of a 2-year course design; students will take Theatre Arts HL in grade 12. The IB® Diploma Programme Theatre Arts HL course builds upon the skills developed in SL. Additionally, students experience the course from contrasting artistic and cultural perspectives. They learn about theatre from around the world, the importance of making theatre with integrity, and the impact that theatre can have on the world. It enables them to discover and engage with different forms of theatre across time, place and culture, promoting international-mindedness and an appreciation of the diversity of theatre. In lieu of a traditional exam, this course culminates through the completion of a research presentation of a world theatre tradition, a collaborative creation and performance of an original piece of theatre, and a solo theatre piece that demonstrates the practical application of a theatre theory to a theatre piece for an audition.

Advanced Grade Points: Yes

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Music

BAND 1-4

Grades: 9-12

1 Credit

Prerequisite:

Audition

The high school band is a musical organization for students of wind and percussion instruments. Klein offers multiple bands for students interested in instrumental music within the school day. Emphasis is placed on the development of cultural growth, critical listening, basic music theory, instrument technique, creative self-expression, mental and physical discipline, citizenship through group endeavors and physical conditioning. During football season the various concert bands meet after school to make up the marching band which performs at all varsity football games and selected contests. During concert season section rehearsals are scheduled after school one day a week to prepare for concerts and contests. Attendance at all rehearsals and performances is required. Band placement is determined through auditions held in May, August, and at various times during the school year. Students must furnish their own marching shoes, personal instruments (flute, clarinet, alto saxophone, trumpet/cornet, trombone), and mouthpiece or drumsticks/mallets. For concert attire, girls must furnish dress shoes. Boys must furnish tux shirts, bow ties, and cummerbund. Band membership is required for participation in the wind or percussion section of the orchestra. A course fee is required.

ORCHESTRA 1-4

Grades: 9-12

1 Credit

Prerequisite:

Audition

The high school orchestra is a musical organization for students of stringed instruments (violin, viola, cello, string bass and harp). All wind and percussion players who participate in full orchestra must be current active members of the band program. The full orchestra rehearses outside the regular school day. A variety of musical settings from small chamber ensembles to full symphonic orchestral playing are experienced by the students. Emphasis is placed upon cultural growth, basic music theory, instrument techniques, music reading, evaluation of musical performance quality, and creative self-expression. The orchestra participates in concerts, contests, festivals, and often combines with the choir or band for special programs. Section rehearsals are scheduled after school to prepare for concerts and contests. Attendance at all rehearsals and performances is required. The district will furnish large string instruments for school use. Students must furnish violins and violas and the large instruments for personal use. Boys must furnish performance attire including a tux shirt and black shoes. String bass players must be registered for orchestra to play in the band. A course fee is required.

CHORAL MUSIC 1-4

Grades: 9-12

1 Credit

Prerequisite:

Audition

The high school choir is a musical organization for students of voice. It is an essential part of a balanced music curriculum and consists of vocal experiences in boys' choir, girls' choir, and mixed choir. Emphasis is placed on the development of proper vocal techniques, the study of choral techniques, basic music theory, sight-singing, music history and literature, creative self-expression, and vocal performance. Section rehearsals are scheduled after school to prepare for concerts and contests. Attendance at all rehearsals and performances is required. Choir placement is determined through auditions held in May, August, and at various times during the school year. Boys must furnish a tux shirt and black shoes. A course fee is required.

VOCAL ENSEMBLE 1-4

Grades: 9-12

1 Credit

Prerequisite:

Audition

The high school vocal ensemble is a musical organization for students of voice. It is a complementing course to the parent choral organization. Emphasis is placed on the expansion of singing experiences in a small vocal group, an opportunity to study a variety of styles and historical styles, and the study of ensemble techniques. Opportunities will be provided to perform ensemble music in class and in public. Section rehearsals are scheduled after school to prepare for concerts and contests. Attendance at all rehearsals and performances is required. Students must furnish all concert attire if different from the parent choral organization. A course fee is required.

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



JAZZ BAND 1-4

Grades: 9-12

1 Credit

Prerequisite: Audition and Approval by Band Director

The high school jazz ensemble is a musical organization for students of wind, percussion and string instruments. Emphasis is on the development of cultural growth, critical listening, basic music theory, and instructional technique, creative self-expression through jazz improvisation, mental and physical discipline and citizenship through group endeavors. Students must furnish personal instruments, (alto saxophone, trumpet, trombone, guitar) and mouthpiece or drumsticks/mallets. Membership in a large ensemble (band, choir, and orchestra) is required for participation in jazz ensemble. Attendance at all rehearsals and performances is required. Students must furnish concert attire if different from the parent music ensemble. Jazz ensemble may not be offered every semester at every campus.

APPLIED MUSIC 1, 2 (INDIVIDUAL STUDY)

KISD # 3810, 3811

Grades: 11-12

1 Credit

Prerequisite: Meets District Guidelines

Enrollment in Applied Music is open to qualifying students who wish to pursue independent study in music performance. Enrollment is placed on private study, study of solo literature, study of technical literature, and a performance examination. Concurrent Enrollment in Band, Orchestra, or Choir is required. Near the end of each semester, each student is required to prepare and publicly perform the following for an appointed board of examiners. (1) two selections from the Approved Music List for Applied Music by memory, and (2) technical studies and scales indicative of appropriate advancing technical preparation commensurate with the memorized musical selections performed. Additional information may be obtained from the high school music department chairperson.

Practicum for Music Education

Klein ISD# 3812

Grades: 11-12

1 Credit

Prerequisite: Concurrent in level 3 or 4 fine art

Students enrolled in the music education practicum will gain knowledge, resources, and skills for administering a choral or instrumental music program (i.e., budget, legal issues, fundraising, trips and travel, scheduling, business management, time management, stress management, etc.). They will also gain knowledge and resources for assessing music students, advanced awareness of rehearsal strategies for ensembles and skills for inspiring creativity, self-expression, knowledge of music, and secondary instrument preparation.

ADVANCED PLACEMENT® MUSIC THEORY

Klein ISD# 3821

Grades: 11-12

1 Credit

Prerequisite: No prerequisites

The Advanced Placement® Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory coursework that covers topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight-singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized. Students enrolled in this course must take the Advanced Placement® exam to earn college credit.

INTERNATIONAL BACCALAUREATE® MUSIC Standard Level (Klein Oak HS Only)

KISD #: 3460

Grades: 11-12

2 Credits

Prerequisite: One year of band, choir, orchestra or comparable private music instruction in grades 9 or 10

The Diploma Programme Music course has been designed to prepare the 21st century music student for a world in which global musical cultures and industries are rapidly changing. The course is grounded in the knowledge, skills and processes associated with the study of music and offers a strengthened approach to student creativity through practical, informed and purposeful explorations of diverse musical forms, practices and contexts. The course also ensures a holistic approach to learning, with the roles of performer, creator and researcher afforded equal importance in all course components. In lieu of a traditional exam, this course culminates through the completion of a portfolio of diverse musical material, the creation and performance of practical musical evidence, and a solo/ensemble performance.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

Dance

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index

DANCE LEVEL 1 “PRINCIPLES OF DANCE” FINE ARTS CREDIT

Klein ISD# 3900

Grades: 9-12

1 Credit

Prerequisite:

None

Principles of Dance I is an introductory course that provides the students with an exploration of the basic movement fundamentals: ballet, jazz, tap, world dance, modern and choreography. Students will be introduced to dance technique and kinesthetic awareness, movement vocabulary, choreography, creative expression, musicality, and dance history. In addition, students will have the opportunity to perform basic dance skills which will increase their self-confidence, self-discipline, and dance appreciation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level I is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 1 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3900PE

Grades: 9-12

1 Credit

Prerequisite:

None

Principles of Dance I is an introductory course that provides the students with an exploration of the basic movement fundamentals: ballet, jazz, tap, world dance, modern and choreography. Students will be introduced to dance technique and kinesthetic awareness, movement vocabulary, choreography, creative expression, musicality, and dance history. In addition, students will have the opportunity to perform basic dance skills which will increase their self-confidence, self-discipline, and dance appreciation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level I is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE WELLNESS Level 1-4 FINE ART CREDIT

Klein ISD# 3941-3944

Grades: 9-12

1 Credit

Prerequisite:

None

This course will provide athletes with fundamental skills and knowledge of dance as an art form and lifetime activity, with a specific emphasis on areas that will improve their athletic ability. Students will study various forms of dance such as ballet, jazz, hip hop, and social dance, as well as broader aspects of dance such as injury prevention, stretching, and building muscle tone. This course will help to increase flexibility, balance, explosiveness, and agility in athletes.

DANCE WELLNESS Level 1-4 PE CREDIT

KISD # 3941PE-3944PE

Grade Level: 9-12

1.0 PE credit

Prerequisite:

None

This course will provide athletes with fundamental skills and knowledge of dance as an art form and lifetime activity, with a specific emphasis on areas that will improve their athletic ability. Students will study various forms of dance such as ballet, jazz, hip hop, and social dance, as well as broader aspects of dance such as injury prevention, stretching, and building muscle tone. This course will help to increase flexibility, balance, explosiveness, and agility in athletes.

DANCE LEVEL 2 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3901

Grades: 10-12

1 Credit

Prerequisite:

None

Principles of Dance II is a continuation of Dance I with an expanding dance curriculum that builds on dance technique, movement vocabulary, various choreography skills, creative expression, musicality and historical applications. In addition, students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level II is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.



DANCE LEVEL 2 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3901PE

Grades: 10-12 1 Credit

Prerequisite: None

Principles of Dance II/PE is a continuation of Dance I with an expanding dance curriculum that builds on dance technique, movement vocabulary, various choreography skills, creative expression, musicality and historical applications. In addition, students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level II/PE is a PE course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 3 “PRINCIPLES OF DANCE” FINE ARTS CREDIT

Klein ISD# 3902

Grades: 11-12 1 Credit

Prerequisite: None

Principles of Dance III provides a progressing curriculum with more complex movement vocabulary and technical skills. In addition, further development of choreographic elements, peer collaborations, and critical thinking with self-analysis will be integrated. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level III is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 3 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3902PE

Grades: 11-12 1 Credit

Prerequisite: None

Principles of Dance III provides a progressing curriculum with more complex movement vocabulary and technical skills. In addition, further development of choreographic elements, peer collaborations, and critical thinking with self-analysis will be integrated. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level III is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 4 “PRINCIPLES OF DANCE” FINE ARTS CREDIT

Klein ISD# 3903

Grades: 12 1 Credit

Prerequisite: None

Principles of Dance IV is a fast paced and technically challenging course that provides students with a continuing emphasis on all dance knowledge and skills: ballet, jazz, tap, world dance, modern, and choreography. Students will continue to develop dance technique and kinesthetic awareness, movement vocabulary, choreography, creative expression, musicality, and historical applications. In addition, students will have the opportunity to perform a variety of dance styles and techniques that will increase their self-confidence, self-discipline, and dance appreciation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 4 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3903PE

Grades: 12 1 Credit

Prerequisite: None

Principles of Dance IV/PE is a fast paced and technically challenging course that provides students with a continuing emphasis on all dance knowledge and skills: ballet, jazz, tap, world dance, modern, and choreography. Students will continue to develop dance technique and kinesthetic awareness, movement vocabulary, choreography, creative expression, musicality, and historical applications. In addition, students will have the opportunity to perform a variety of dance styles and techniques that will increase their self-confidence, self-discipline, and dance appreciation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level IV/PE is a PE course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 1-4 “DANCE COMPANY” FINE ARTS CREDIT

Klein ISD# 3900C, 3901C, 3902C, 3903C

Grades: 9-12 1 Credit

Prerequisite: None

Performance and Ensemble Dance I-IV is a performing company of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance company is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Company Level I-IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 1-4 “DANCE COMPANY” PE CREDIT

Klein ISD# 3900CPE, 3901CPE, 3902CPE, 3903CPE

Grades: 9-12 1 Credit

Prerequisite: None

Performance and Ensemble Dance I-IV/PE is a performing company of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance company is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Company Level I-IV/PE is a PE course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

INTERNATIONAL BACCALAUREATE® DANCE Standard Level (Klein Oak HS Only)

Klein ISD# 3464/3464PE

Grades: 11 1 Credit

Prerequisite: None

This course serves as year 1 of a 2-year course design; students will take Dance SL in grade 11. The IB® Diploma Programme Dance course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. These courses are designed for students who want to further study the art of dance in higher education, as well as for those who are seeking lifelong enrichment through dance. Students needing to earn PE credit to fulfil state graduation requirements will register using the 3464PE code.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® DANCE Higher Level (Klein Oak HS Only)

Klein ISD# 3469/3469PE

Grades: 12 1 Credit

Prerequisite: IB Dance SL

This course serves as year 2 of a 2-year course design; students will take Dance SL in grade 11 and Dance HL in grade 12. The IB® Diploma Programme Dance HL course builds upon the skills developed in SL. The course facilitates the development of an understanding of movement skills appropriate to the dancer's performance, clarity in relationship to space, time, dynamics, and movement qualities, and communicative expression in relation to other performers/the audience. In lieu of a traditional exam, this course culminates through the completion of dance works composed by the student and a formal written report which analyzes the similarities/differences between two dance styles drawn from different dance cultures and/or traditions. Students needing to earn PE credit to fulfil state graduation requirements will register using the 3469PE code.

Advanced Grade Points: Yes

DANCE 1-4 “DANCE TEAM” FINE ARTS CREDIT

Klein ISD# 3900T,3901T, 3902T, 3903T

Grades: 9-12 1 Credit

Prerequisite: None

Dance Team I-IV is a performing team of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined precision dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance team is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities including football half-time shows. The team competes at multiple dance contests in the spring. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Team Level I-IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE 1-4 “DANCE TEAM” FINE ARTS CREDIT

Klein ISD# 3900T, 3901T, 3902T, 3903T

Grades: 9-12 1 Credit – This course will satisfy the fine arts graduation requirement

Prerequisite: Audition

Dance Team I-IV is a performing team of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined precision dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance team is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities including football half-time shows. The team competes at multiple dance contests in the spring. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Team Level I-IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE 1-4 “DANCE CREW” FINE ARTS CREDIT

Klein ISD# 3915,3916,3917,3918

Grades: 9-12 1 Credit – This course will satisfy the fine arts graduation requirement

Prerequisite: Audition, Successful completion of previous course level

Crew Dance I-IV is a performing group of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance crew is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Crew Level I-IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE 1-4 “Dance CREW” PE CREDIT

Klein ISD# 3915T,3916T,3917T,3918T

Grades: 9-12 1 Credit – This course will satisfy the fine arts graduation requirement

Prerequisite: Audition, Successful completion of previous course level

Crew Dance I-IV/PE is a performing group of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance crew is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Crew Level I-IV/PE is a PE course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE 1-4 “COMPOSITION AND IMPROVISATION” FINE ARTS CREDIT

Klein ISD# 3933,3934,3935,3936

Grades: 9-12

1 Credit – This course will satisfy the fine arts graduation requirement

Prerequisite:

Audition, Successful completion of previous course level

Composition/Improvisation Dance is a course designed for choreographic devices in solo, duet and ensemble movement studies; exploration of design principles; creating multiple movement studies using various elements of choreography. This course offers students an exploration of movement which acts to extend their choreographic vocabulary for dance composition. It also offers the opportunity to develop sensitivity working with groups in a spontaneous “performance” situation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Composition and Improvisation Level I-IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE Appreciation - DUAL CREDIT

Klein ISD:

Grades: 10-12

.5 Credit

Prerequisite:

Audition, Successful completion of previous course level

The cultural, historical and aesthetic qualities of dance are presented through lectures, films, videos, and dance productions. Primitive, classical and contemporary dance forms are included.

Advanced Grade Points: yes

Dual Credit Correlation: DANC 2303

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



Multidisciplinary Endorsement

A multidisciplinary studies endorsement is earned when students successfully complete advanced courses in multiple content areas.

Option A: Advanced Courses

4 from other endorsement areas



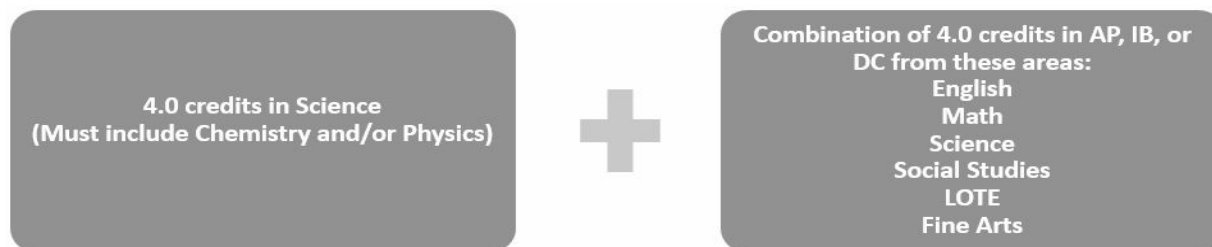
Option B: Four by Four

4 credits in each foundation subject area, including English IV and chemistry and/or physics



Option C: Advanced Placement, International Baccalaureate, or Dual Credit

4 credits in Advanced Placement, International Baccalaureate, or dual credit selected from English, mathematics, science, social studies, economics, LOTE or fine arts



Accelerated Pathways

- Early College High School
- Honors College
- International Baccalaureate

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Advanced Academics

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index

Acknowledgements for Outstanding Performance

A student may earn a performance acknowledgment on the student's transcript if they meet the state's qualifying criteria for

- Outstanding performance by successfully completing dual credit courses
- Demonstrating bilingualism and biliteracy
- Earning qualifying scores on the PSAT, ACT's Plan, SAT or ACT, Advanced Placement tests or International Baccalaureate exam
- Obtaining a nationally or internationally recognized business or industry certification or license

International Baccalaureate Diploma Programme (IB)

The International Baccalaureate® (IB) Diploma Programme is an internationally recognized set of courses designed to challenge and prepare 11th and 12th grade students for success in college and in life. This advanced, comprehensive program of study offers an integrated approach to learning across disciplines with an emphasis on meeting the challenges of living and working in a global, technological society. Courses are taken at either Standard Level (150 class hours) or Higher Level (240 class hours). IB Diploma graduates who earn a score of 24 or higher are awarded a minimum of 24 credit hours to students who attend any public Texas University.

AP Capstone Diploma

Diploma program designed to complement traditional AP course through two courses AP Seminar and AP Research. To complete the program students will also take additional AP Courses to complete the specialized diploma.

AP Courses

AP provides the opportunity to engage in rigorous college-level work while in high school. Students will earn college credit by taking AP Exams.

Dual Credit

Lone Star College offers dual credit courses designed for high school students to earn college credit and high school credit simultaneously.

OnRamps - University of Texas

OnRamps offers dual enrollment courses designed by the University of Texas at Austin faculty for high school students to earn college credit and high school credit simultaneously.



International Baccalaureate® Diploma Programme

The International Baccalaureate® (IB) Diploma Programme is an internationally recognized set of courses designed to challenge and prepare 11th and 12th grade students for success in college and in life. Students complete and test in **six IB subject groups**; write an **extended essay** of independent research guided by a faculty mentor, complete 150 hours of creative, action, and service activities (**CAS**); and participate in a critical thinking course called **Theory of Knowledge**. This advanced, comprehensive program of study offers an integrated approach to learning across disciplines with an emphasis on meeting the challenges of living and working in a global, technological society. Courses are taken at either Standard Level (150 class hours) or Higher Level (240 class hours). Additionally, IB strives to develop academic skills related to: inquiry, knowledge, communication, open-mindedness, balance, reflection, etc. Per S.B. 111, IB Diploma graduates who earn a score of 24 or higher are awarded a minimum of 24 credit hours to students who attend any public Texas University.

Please consider the following details specific to Klein ISD's IB Diploma Programme:

- Students must complete the application process to be considered for admission.
- The IB Programme is only available at Klein Oak High School. Any 8th-10th grade student enrolled within Klein ISD is eligible for admission into IB.
- In order to lay a foundation for success in 11th and 12th grade courses, students in grades 9 and 10 will take IB Preparatory courses classified as Pre-IP.
- Students originally zoned to another Klein ISD high school will be rezoned to Klein Oak High School at the start of the next academic year. Klein ISD Bus transportation is available for students originally zoned to another high school.

GROUP 1: STUDY IN LANGUAGES AND LITERATURE



ENGLISH 1 AND 2 PRE-IP

KISD #: 3470, 3472

Grades: 9-10

1.0 Credit per year

Prerequisite:

Acceptance in IB® Programme

Students will take the introductory courses entitled Pre-IP English 1 & English 2 for focused instruction on the prerequisite skills and concepts needed for IB English in 11th grade. Pre-IP English 1 and 2 are appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for 9th and 10th grade respectively. Pre-IP English 1 emphasizes the goals of helping learners to connect with literature, write effectively, and prepare and deliver oral presentations. Students will explore classical and contemporary works of literature from our nation and the world. Major literary works representing various genres, authors, and historical periods will be emphasized. Composition instruction will focus on writing as an essential way to develop, clarify, and communicate ideas in persuasive, expository, literary, and expressive discourse. Vocabulary study will include the Latin and Greek influences on the English language. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB English Higher-Level course. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® LANGUAGE & LITERATURE HL1 & HL2

KISD #: 3404HL1, 3404HL2

Grades: 11-12

1.0 Credit per year

Prerequisite:

Pre-IP English 1 and 2 or Acceptance into IB programme

The IB Language & Literature courses focus on the rigorous academic demands of an International Baccalaureate® Higher Level course. This two-year, intensive study of English language and literature develops students' analytical abilities and creative powers of expression, both in oral and written communications. It encourages them to be original, independent, critical and logical thinkers, and to appreciate literature as an art form. Students learn techniques to analyze literary passages, drawn from prose and poetry, representative of a variety of historical literary periods. Various genres, styles, themes and contexts are examined through the analysis of grouped works. Students explore the ongoing forces of human creativity, artistic ingenuity, and cultural diversity that shape and develop literature. Students engage in daily formal and/or in formal writing tasks including free writing, response journals, dialectical journals, essays, abstracts, critiques and commentaries. They practice public speaking, engaging in the critical and constructive exchange of ideas through oral presentations, class discussions, panel discussions, as well as informal and/or informal debates. This course culminates in the completion of the IB Language & Literature assessment in May of the student's 12th grade year.

Advanced Grade Points: Yes

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

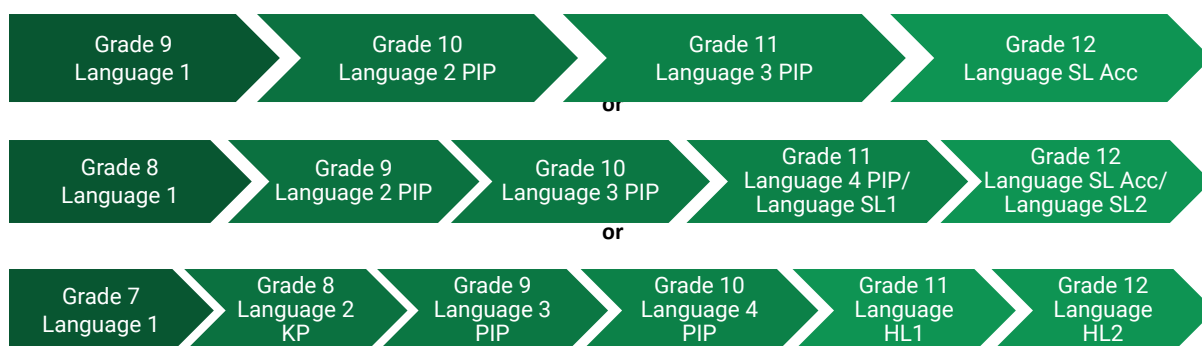
Accelerated
Pathways

Course Fees

Index



GROUP 2: LANGUAGE ACQUISITION



SPANISH 2 Pre-IP

KISD #: 3490

Grades: 9-10 1 Credit

Prerequisite: Spanish 1

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the novice-high to intermediate-low proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

SPANISH 3 Pre-IP

KISD #: 3492

Grades: 9-11 1 Credit

Prerequisite: Spanish 1 and 2 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the intermediate-mid to intermediate-high proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

SPANISH 4 Pre-IP

KISD #: 3492

Grades: 9-11 1 Credit

Prerequisite: Spanish 1, 2, & 3 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the intermediate-high to advanced-low proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® SPANISH SL (standard level)

KISD #: 3450 (accelerated course) or 3450SL1 & 3450SL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP Spanish 3, Pre-IP Spanish 4 Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Spanish. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB Spanish SL exam in May; exam fees apply.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

INTERNATIONAL BACCALAUREATE® SPANISH HL (higher level)

KISD #: 3451HL1 & 3451HL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP Spanish 4

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in Spanish. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB Spanish HL exam in May; exam fees apply.

Advanced Grade Points: Yes

FRENCH 2 Pre-IP

KISD #: 3482

Grades: 9-10 1 Credit

Prerequisite: French 1

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the novice-high to intermediate-low proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

FRENCH 3 Pre-IP

KISD #: 3484

Grades: 9-11 1 Credit

Prerequisite: French 1, French 2 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the intermediate-mid to intermediate-high proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

FRENCH 4 Pre-IP

KISD #: 3486

Grades: 10-11 1 Credit

Prerequisite: French 1-2, French 3 (Pre-IP/KP strongly recommended)

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the intermediate-high to advanced low proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® FRENCH SL (standard level)

KISD #: 3440 (accelerated course) or 3440SL1 & 3440SL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP French 3, Pre-IP French 4 Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in French. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB French SL exam in May; exam fees apply.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



INTERNATIONAL BACCALAUREATE® FRENCH HL (higher level)**KISD #:** 3451HL1 & 3451HL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** Pre-IP French 4

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in French. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB French HL exam in May; exam fees apply.

Advanced Grade Points: Yes**GERMAN 2 KLEIN PREP (KP)****KISD #:** 2622Q**Grades:** 9-12 **1 Credit****Prerequisite:** German 1

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language. *German 2 Pre-IP is not available at this time. It is recommended that students wishing to pursue International Baccalaureate German enroll in this course.

Advanced Grade Points: Yes**GERMAN 3 KLEIN PREP (KP)****KISD #:** 2624Q**Grades:** 9-12 **1 Credit****Prerequisite:** German 2 and KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract; and provides opportunities for students to acquire intermediate-mid to intermediate-high proficiency skills in speaking, reading, writing, and listening in the German language. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language. *German 3 Pre-IP is not available at this time. It is recommended that students wishing to pursue International Baccalaureate German enroll in this course.

Advanced Grade Points: Yes**INTERNATIONAL BACCALAUREATE® GERMAN SL (standard level)****KISD #:** 3455 (accelerated course) or 3455SL1 & 3455SL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** German 1-2, German 3 KP Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in German. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB German SL exam in May; exam fees apply.

Advanced Grade Points: Yes**INTERNATIONAL BACCALAUREATE® GERMAN HL (higher level)****KISD #:** 3456HL1 & 3456HL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** German 1-2, German 3 KP Required

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in German. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB German HL exam in May; exam fees apply.

Advanced Grade Points: Yes

GROUP 3: INDIVIDUALS AND SOCIETIES



INTERNATIONAL BACCALAUREATE® HISTORY OF THE AMERICAS HL (higher level)

KISD #: 3410HL1 & 3410HL2

Grades: 11 and 12

1 Credit per year of study

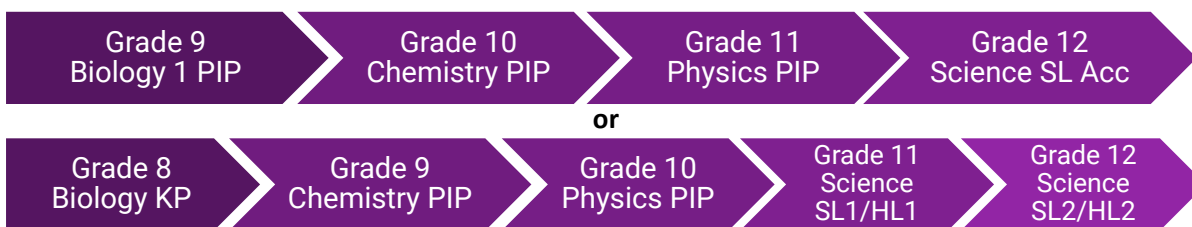
Prerequisite:

World Geography KP and AP World History

The IB History of the Americas is a two-year course of study that provides students with an intensive analysis of the political, economic, social, intellectual, diplomatic, and cultural development of early American history, as well as a transition into 20th century topics. It involves the study of a variety of history, including political, economic, social, and cultural, and provides a balance of structure and flexibility. The six key concepts include: change, continuity, causation, consequence, significance, and perspectives. Students must pass a US History End of Course (EOC) exam to meet graduation requirements. This course culminates in the completion of the IB HOA HL exam in May; exam fees apply. ***This course replaces the U.S. History requirement for graduation.**

Advanced Grade Points: Yes

GROUP 4: SCIENCES



BIOLOGY 1 Pre-IP

KISD#: 3476

Grades: 9

1 credit

Prerequisite:

Acceptance into the IB® Programme

IB Preparatory Biology provides students with an understanding of the important underlying biological themes of form and function, equilibria, and evolution as an underlying concept for understanding life on Earth. This course is appropriate for identified gifted learners who require specialized instructional services. Students will become knowledgeable about the ideas and concepts fundamental to biology. Pre-IP Biology is appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for Biology. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB Biology Standard Level and Higher Level courses. Students enrolled in this class must pass a Biology End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® BIOLOGY SL (standard level)

KISD #: 3430

Grades: 11 and 12

1 Credit

Prerequisite:

KLEIN PREP/GT or Pre-IP Biology and KLEIN PREP/GT or Pre-IP Chemistry

The primary goal of this course is to help students gain an appreciation of science as a process and provide them with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The course would consist of lecture, teacher-designed labs, student-designed labs and other types of experimental learning. The material of study for Biology (SL) will include the following topics: biochemistry, cells, genetics, nucleic acids, proteins, evolution, ecology and evolution, ecology and conservation, and human health physiology. The course would consist of lecture, teacher designed labs, student-designed labs and other types of experiential learning. This course includes a multi-disciplinary group science project.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



INTERNATIONAL BACCALAUREATE® BIOLOGY HL (higher level)

KISD #: 3436HL1 & 3436HL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Biology Pre-IP

This course must be taken over a two-year period (students will earn 1 credit per year of completion). Through the course, students will become aware of how scientists work and communicate with each other. Students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers, and evaluate and communicate their findings. Subjects at HL are studied in greater depth and breadth than SL. The material of study for IB® Biology (HL) will include the following topics: biochemistry, cells, genetics, nucleic acids, proteins, evolution, ecology and evolution, ecology and conservation, and human health physiology. This course includes a multi-disciplinary group science project and culminates in the completion of the IB Biology HL exam in May; exam fees apply.

Advanced Grade Points: Yes

CHEMISTRY PRE-IP

KISD#: 3478

Grades: 9-10 1 Credit

Prerequisite: Algebra 1 and Acceptance into the IB® Programme

Pre-IP Chemistry is a laboratory centered course that investigates the composition and behavior of matter. Skills emphasized are reading and writing scientific, technical information; collecting and analyzing data; note taking and time management. Students who successfully complete the course will be prepared for the rigorous academic demands of the IB Chemistry Standard Level and Higher Level courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® CHEMISTRY SL (standard level)

KISD #: 3432 (accelerated course) or 3432SL1 & 3432SL2

Grades: 11-12 1 Credit per year of study

Prerequisite: KP Chemistry required, Pre-IP Chemistry highly recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course provides opportunities for scientific study and creativity within a global context which will stimulate and challenge students; students will analyze, evaluate, and synthesize scientific information and express their ideas orally and in writing. The course includes the following topics of study: stoichiometry, atomic theory and atomic models, periodicity, bonding, states of matter, solutions, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, organic chemistry, environmental chemistry, and fuels and energy. To develop students' experimental and investigative skills, 40% of a student's classroom time will be devoted to performing laboratory activities. A multi-disciplinary group project is a component of this class. The course culminates in the completion of the IB Chemistry SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® CHEMISTRY HL (higher level)

KISD #: 3433HL1 & 3433HL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP Chemistry

This course must be taken over a two-year period (students will earn 1 credit per year of completion). The higher level course is designed for students with a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems, provides opportunities for scientific study and creativity within a global context which will stimulate and challenge students. The course will contribute to the students' ability to analyze, evaluate, and synthesize scientific information and help develop the students' ability to think clearly and express their ideas orally and in writing with clarity and logic. The course reviews the topics of study covered in SL as a core stoichiometry, atomic theory and atomic models, periodicity, bonding, states of matter, solutions, energetic, kinetics, equilibrium, acids and bases, oxidation and reduction, organic chemistry--but also continues with the topics in greater depth. HL students are expected to study additional topics and to study extension material of a more demanding nature than SL. This course encourages an understanding of the relationships between scientific disciplines and the overarching nature of the scientific method. To develop students' experimental and investigative skills, 40% of a student's classroom time will be devoted to performing laboratory activities and independent investigations. A multi-disciplinary group project is also a component of this class. This course culminates in the completion of the IB Chemistry HL exam in May; exam fees apply.

Advanced Grade Points: Yes

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



PHYSICS PRE-IP

KISD #: 3474

Grades: 10-11

1 Credit

Prerequisite: Algebra 1 & Geometry, Acceptance into IB® Programme

Pre-IP Physics is a comprehensive study in classical mechanics and electromagnetism. Topics include Newton's Laws, Kinematics, Vectors, Circular motion, Gravitation, Work-Energy, Momentum, Electrostatics, Magnetism, Ohm's Law, DC circuitry, Light, Sound and Nuclear physics. Pre-IP physics provides a foundation for those students wanting to take IB Physics SL/HL or other advanced Physics courses. This course is appropriate for identified gifted learners who require specialized instructional services. Students should have strong algebra skills to be successful in this rigorous course.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® PHYSICS SL (standard level)

KISD #: 3434 (accelerated course) or 3434SL1 & 3434SL2

Grades: 11-12

1 Credit per year of study

Prerequisite: Pre IP-Physics or AP Physics highly recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). Physics is the study of the relationship between matter and energy. The student will be introduced to fundamental concepts in the areas of mechanics, wave actions, heat, electricity, magnetism, and nuclear phenomena. Observations of the laws of force and motion, the nature of light, wave phenomena, and properties of electricity and magnetism are integral components of the course. Students will develop experimental and investigative scientific skills, including an ability to ask physical questions and to obtain solutions to those questions by use of physical intuition, experimental investigation, and formal logic. Awareness will be gained of the connections of physics to other disciplines and to societal issues. Knowledge of algebra and basic trigonometry is required for the course. Basic ideas of calculus may be introduced in the study of some concepts. To develop students' experimental and investigative skills, at least 40% of a student's classroom time will be devoted to performing laboratory and inquiry activities that cover a range of topics and skills including a multi-disciplinary group science project. Laboratory investigations will help the student develop an ability to analyze, evaluate, and synthesize scientific information. This course culminates in the completion of the IB Physics SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® PHYSICS HL (higher level)

KISD #: 3438HL1 & 3438HL2

Grades: 11-12

1 Credit per year of study

Prerequisite: Pre-IP Physics or AP Physics required

This course must be taken over a two year period (students will earn 1 credit per year of completion). Students will encounter further extensions of the fundamental concepts in the areas of mechanics, wave actions, heat, electricity, magnetism, and nuclear phenomena. Observations of the laws of force and motion, the nature of light, wave phenomena, and properties of electricity and magnetism are integral components of the course. In addition, the student will study topics on relativity, optics, and astrophysics. Students will develop experimental and investigative scientific skills, including an ability to ask physical questions and to obtain solutions to those questions by use of physical intuition, experimental investigation, and formal logic. Awareness will be gained of the connections of physics to other disciplines and to societal issues. Knowledge of algebra and basic trigonometry is required for the course. Basic ideas of calculus may be introduced in the study of some concepts. To develop students' experimental and investigative skills, at least 40% of a student's classroom time will be devoted to performing laboratory and inquiry activities that cover a range of topics and skills including a multi-disciplinary group science project. Laboratory investigations will help the student develop an ability to analyze, evaluate, and synthesize scientific information. This course culminates in the completion of the IB Physics HL exam in May; exam fees apply.

Advanced Grade Points: Yes

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

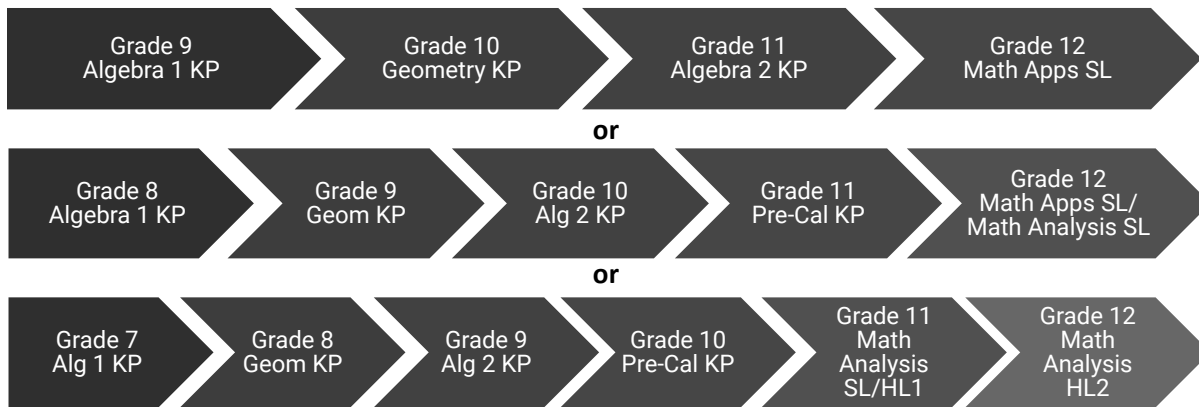
Advanced
Academics

Accelerated
Pathways

Course Fees

Index

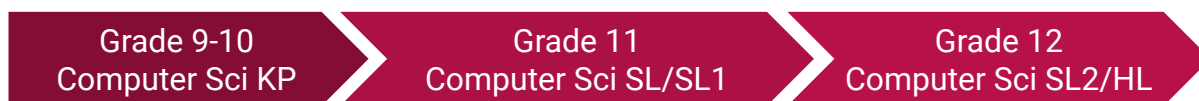


GROUP 5: MATHEMATICS**INTERNATIONAL BACCALAUREATE® MATH: APPLICATIONS & INTERPRETATIONS SL (standard level)****KISD #: 3425****Grades: 11-12****2 Credits earned within 1 academic year****Prerequisite:****Algebra 1, Geometry, Algebra 2, and Pre-Calculus KP highly recommended**

This course includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics. The course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modelling. Students are encouraged to solve real-world problems, construct and communicate this mathematically, and interpret the conclusions. Students are expected to work independently and develop an investigation mode, which can be applied to other subject areas, to common world occurrences and to topics that relate to the self-interest of students. This course culminates in the completion of the IB Mathematics: Applications & Interpretations SL exam in May; exam fees apply.

Advanced Grade Points: Yes**INTERNATIONAL BACCALAUREATE® MATH: ANALYSIS & APPROACHES SL/HL (standard level/higher level)****KISD #: 3421 or 3418HL1 & 3418HL2****Grades: 11-12****2 Credits****Prerequisite:****Geometry, Algebra 2, Pre-Calculus KP and AP Calculus AB/BC recommended**

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period, but at a higher level of rigor (students will earn 1 credit per year of completion). Subjects at HL are studied in greater depth and breadth than SL. This course includes topics that are traditionally part of a pre-university mathematics course such as calculus, trigonometry, and differential equations. The course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. The focus is on developing important mathematical concepts in a comprehensible, coherent, and rigorous way, achieved by a carefully balanced approach. This course places a strong emphasis on the ability to construct, communicate, and justify correct mathematical arguments. Students should expect to develop insight into mathematical form and structure, and should be intellectually equipped to appreciate the links between concepts in different topic areas. This course culminates in the completion of the IB Mathematics: Analysis & Approaches HL exam in May; exam fees apply.

Advanced Grade Points: Yes**GROUP 6: ARTS/ELECTIVES****INTERNATIONAL BACCALAUREATE® COMPUTER SCIENCE SL (standard level)****KISD Code: 3426 (accelerated course) or 3426SL1 and 3426SL2****Grade: 11 -12****1 Credit per year of study****Prerequisite:****One credit of computer science**

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). IB Computer Science explores how computer science interacts with and influences cultures, society, and how individuals/societies behave, and the ethical issues involved. Students will be able to trace algorithms, utilize software designs, understand arrays, computer systems/networks/algorithms, and design, prototype, and test proposed solutions to unanswered questions. Time spent on the program internal assessment is an important part of the course and will be utilized to demonstrate mastery of the programming language of the course (Java). This course culminates in the completion of the IB Computer Science SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® COMPUTER SCIENCE HL (higher level)

KISD Code: 3428HLM

Grade: 12 1 Credit

Prerequisite: Successful completion of IB Computer Science SL1

Students may choose to enhance the breadth/depth of study in Computer Science by enrolling in IB Computer Science HL following year 1 of IB Computer Science SL. IB Computer Science explores the logic, and technology related issues. Students are expected to write programs using an object-oriented approach, analyze and formulate success criteria, solution specifications, and appropriate techniques with a specified solution.. Time spent on the program internal assessment is an important part of the course and will be utilized to demonstrate mastery of the programming language of the course (Java). This course culminates in the completion of the IB Computer Science HL exam in May; exam fees apply.

Advanced Grade Points: Yes

Grade 9-10
Fine Art 1Grade 11
Fine Art SLGrade 12
Fine Art HL**INTERNATIONAL BACCALAUREATE® VISUAL ARTS SL (standard level)**

KISD #: 3466

Grades: 11 1 Credit

Prerequisite: Art 1

This course serves as year 1 of a 2 year course design; students will take Visual Arts SL in grade 11. The IB® Diploma Programme Visual Arts course encourages students to challenge their own creative and cultural expectations and boundaries. Students will be exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. These courses are designed for students who want to go on to further study of visual arts in higher education, as well as for those who are seeking lifelong enrichment through visual arts. ***Students are responsible for the cost of materials used in products they take home.***

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® VISUAL ARTS HL (higher level)

KISD #: 3465

Grades: 12 1 Credit

Prerequisite: IB Visual Arts SL

This course serves as year 2 of a 2 year course design; students will take Visual Arts SL in grade 11. The IB® Diploma Programme Visual Arts HL course builds upon the skills developed in SL. The course encourages students to challenge their own creative and cultural expectations and boundaries. In lieu of a traditional exam, this course culminates through the completion of an exhibition curating 8-11 artworks, a process portfolio of experimentation, exploration, and refinement of a variety of art-making activities, and a comparative study analyzing the influences of artists and the ways in which art influences. ***Students are responsible for the cost of materials used in products they take home.***

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® MUSIC SL (standard level)

KISD #: 3460

Grades: 11-12 2 Credits

Prerequisite: One year of band, choir, orchestra or comparable private music instruction in grades 9 or 10

The Diploma Programme Music course has been designed to prepare the 21st century music student for a world in which global musical cultures and industries are rapidly changing. The course is grounded in the knowledge, skills and processes associated with the study of music and offers a strengthened approach to student creativity through practical, informed and purposeful explorations of diverse musical forms, practices and contexts. The course also ensures a holistic approach to learning, with the roles of performer, creator and researcher afforded equal importance in all course components. In lieu of a traditional exam, this course culminates through the completion of a portfolio of diverse musical material, the creation and performance of practical musical evidence, and a solo/ensemble performance.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® DANCE SL (standard level)

Klein ISD# 3464/3464PE

Grades: 11 1 Credit

Prerequisite: None

This course serves as year 1 of a 2-year course design; students will take Dance SL in grade 11. The IB® Diploma Programme Dance course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. These courses are designed for students who want to further study the art of dance in higher education, as well as for those who are seeking lifelong enrichment through dance. Students needing to earn PE credit to fulfil state graduation requirements will register using the 3464PE code.

Advanced Grade Points: Yes



INTERNATIONAL BACCALAUREATE® DANCE HL (higher level)

Klein ISD# 3469/3469PE

Grades: 12

1 Credit

Prerequisite:

IB Dance SL

This course serves as year 2 of a 2-year course design; students will take Dance SL in grade 11 and Dance HL in grade 12. The IB® Diploma Programme Dance HL course builds upon the skills developed in SL. The course facilitates the development of an understanding of movement skills appropriate to the dancer's performance, clarity in relationship to space, time, dynamics, and movement qualities, and communicative expression in relation to other performers/the audience. In lieu of a traditional exam, this course culminates through the completion of dance works composed by the student and a formal written report which analyzes the similarities/differences between two dance styles drawn from different dance cultures and/or traditions. Students needing to earn PE credit to fulfil state graduation requirements will register using the 3469PE code.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® THEATRE ARTS SL (standard level)

KISD #: 3462

Grades: 11

1 Credit

Prerequisite:

One-year theatre arts or theatre production in grades 9 or 10

This course serves as year 1 of a 2 year course design; students will take Theatre Arts SL in grade 11. The IB® Diploma Programme Theatre Arts course is multifaceted and gives students the opportunity to actively engage in theatre as creators, designers, directors and performers. It emphasizes working both individually and collaboratively as part of an ensemble. The teacher's role is to create opportunities that allow students to explore, learn, discover and collaborate to become autonomous, informed and skilled theatre-makers. Students learn to apply research and theory to inform and to contextualize their work. Through researching, creating, preparing, presenting and critically reflecting on theatre, they gain a richer understanding of themselves, their community and the world. These courses are designed for students who want to further study theatre arts in higher education, as well as those who are seeking lifelong enrichment through visual arts.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® THEATRE ARTS HL (higher level)

KISD #: 3463

Grades: 12

1 Credit

Prerequisite:

IB Theatre Arts SL

This course serves as year 2 of a 2-year course design; students will take Theatre Arts HL in grade 12. The IB® Diploma Programme Theatre Arts HL course builds upon the skills developed in SL. Additionally, students experience the course from contrasting artistic and cultural perspectives. They learn about theatre from around the world, the importance of making theatre with integrity, and the impact that theatre can have on the world. It enables them to discover and engage with different forms of theatre across time, place and culture, promoting international-mindedness and an appreciation of the diversity of theatre. In lieu of a traditional exam, this course culminates through the completion of a research presentation of a world theatre tradition, a collaborative creation and performance of an original piece of theatre, and a solo theatre piece that demonstrates the practical application of a theatre theory to a theatre piece for an audition.

Advanced Grade Points: Yes

THEORY OF KNOWLEDGE

KISD #: 3468A & 3468B

Grades: 11 and 12

0.5 Credits per semester (spring semester of 11th grade & fall semester of 12th grade)

Prerequisite:

IB® Diploma Programme Candidates Only

With its position at the center of the International Baccalaureate hexagon suggesting its connective possibilities, the Theory of Knowledge class offers students the opportunity to reflect on themselves as "knowers" in the act of knowing. Six different areas of knowledge, some of which are intensively pursued in other parts of the curriculum, become the subjects of critical inquiry as "knowers," singly and in community, explore what it means to know in each area and how those ways bump into or reinforce each other. As they inquire, students cultivate precision in their recognition of the difficulties that attend their ways of knowing: the nature and limit of perception, the trickery and truthfulness of emotions, the seduction and elusiveness of language, and the attraction of reason. Sorting out this tangle of possibilities is the critical challenge of those who desire to thrive in the Theory of Knowledge class. Practiced with the proper curiosity and generosity, thus wrestling with the problems of knowledge will take students from text to text, time to time, and culture to culture, promoting self-understanding and rich appreciation of difference and variety. The result will be a subtle sophistication of intellect.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

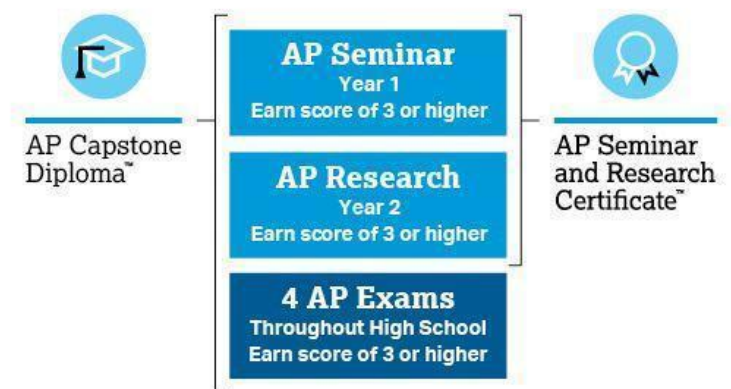
Course Fees

Index



AP Capstone

AP® Capstone is a College Board program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone comprises two AP courses—AP Seminar and AP Research—and is designed to complement and enhance the discipline-specific study in other AP courses. The AP Capstone Diploma is granted to students who earn scores of **3 or higher in AP Seminar and AP Research and on 4 additional AP Exams of their choosing**. The AP Seminar and Research Certificate is granted to students who earn scores of 3 or higher in both AP Seminar and AP Research.



Advanced Placement® Seminar

Klein ISD # 9930

Grades: 9-12 1 Credit

Prerequisite:

AP® Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

Advanced Placement® Research

Klein ISD # 9931

Grades: 10-12 1 Credit

Prerequisite: AP Seminar

AP® Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

Accelerated Pathways

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index

Why choose to complete an Accelerated College Pathway?

- Participate in a program of increased rigor - a proven factor for 4-year college admissions
- Graduate under the Distinguished Plan with multiple Endorsements and Performance Acknowledgements
- Earn a high school diploma and college degree at the same time
- Save approximately half or more of the traditional college costs

**Minimum Algebra I Required in Grade 8 for most pathways*

EARLY COLLEGE HIGH SCHOOL

<https://sites.google.com/kleinisd.net/vistas-echs/home>

GEOSPATIAL ENGINEERING & LAND SURVEYING

<https://www.promise2purpose.net/geospatialengandlandsurveying>

GLOBAL BUSINESS

<https://www.promise2purpose.net/globalstudies>

HIGH QUALITY TEACHING

<https://www.promise2purpose.net/highqualityteaching>

HONORS COLLEGE

https://drive.google.com/file/d/1ArfIMYLH_EF18aoe8q0Yuv3kNM-tHdv9/view

INTERNATIONAL BACCALAUREATE

<https://sites.google.com/kleinisd.net/ibatkleinoak/>

LOGISTICS MANAGEMENT

<https://www.promise2purpose.net/globalstudies>

MEDICAL SCIENCES

<https://www.promise2purpose.net/healthscience>

AUTOMOTIVE TECHNOLOGY

<https://www.promise2purpose.net/automotivetechnology>

ELECTRICAL TECHNOLOGY

<https://www.promise2purpose.net/globalstudies>



Course Fees

CTE Course Fees 181

Fine Arts Course Fees 188

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



CTE Course Fees

CTE Course	Course	Fee	Purpose	Certification Fee
AC/DC Electronics	964018	\$15.00	Supplies and Materials utilized for a variety of student projects	
AC/DC Electronics Dual Credit	9640DC18	\$15.00	Supplies and Materials utilized for a variety of student projects	
Advanced Culinary	936418	\$75.00	Culinary Uniform	
Advanced Culinary	936418	\$25.00	Food Lab Materials	
Advanced Floral Design	905718	\$115.00	Project materials	\$80 TSFA Level 1 Certification
Agriculture Structures Design & Fabrication/Lab	907918	\$50.00	Safety glasses, dust masks, ear plugs, and project materials	
Agricultural Mechanics and Metal Technology	906118	\$25.00	Safety glasses, dust masks, ear plugs, and project materials	
Aircraft Airframe Technology		\$15.00	Safety glasses, gloves, project-based materials	
Animation II	947718			\$104 Additional Autodesk Maya or 3DS MAX Exam
Architectural Design I	947218	\$10.00	Model Supplies and project materials	
Architectural Design II	947318	\$10.00	Model Supplies and project materials	
Audio/Video Production I	915218	\$25.00	SD Card and project materials	
Audio/Video Production II	915918	\$25.00	SD Card and project materials	
Automotive Technology I	961218	\$50.00	Safety glasses, dust masks, and ear plugs	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



CTE Fees Cont.

CTE Course	Course	Fee	Purpose	Certification Fee
Automotive Technology I - Dual Credit	9613DC18	\$50.00	Safety glasses, dust masks, and ear plugs	
Automotive Technology II	961418	\$50.00	Safety glasses, dust masks, and ear plugs	
Automotive Technology II - Dual Credit	9615DC18	\$50.00	Safety glasses, dust masks, and ear plugs	
Automotive Technology Practicum	961918	\$50.00	Safety glasses, dust masks, and ear plugs	
Child Guidance	933618	\$35.00	Clothing	
Construction Technology	961818	\$15.00	Safety glasses, ear plugs, & dust masks	
Construction Technology II	962018	\$15.00	Safety glasses, ear plugs & dust masks	
Cosmetology I	962618	\$350.00/ \$26	Deposit for Junior Kit (tools, mannequin, lab coat, and uniform shirt)/ Permit Fee	
Cosmetology I Lab	962618	\$350.00	Remaining balance for Junior Kit	
Cosmetology II	962418	\$350.00 /\$131	Remaining balance for Senior Kit/ Certification Exam	
Cosmetology II Lab	962418	\$350.00	Deposit for Senior Kit (tools, mannequin, lab coat, and uniform shirt)	
Culinary Arts	935018	\$60.00	Culinary Uniform	\$16 Servsafe Food Handler
Culinary Arts	935018	\$72.00	Food Lab Materials	
Engineer Your World	949018	\$20.00	Safety glasses and project materials	
Engineering Design & Presentation I	947418	\$15.00	Model Supplies and project materials	\$104 Additional Autodesk Certification

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



CTE Fees Cont.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

CTE Course	Course	Fee	Purpose	Certification Fee
Engineering Design & Presentation II	936818	\$25.00	Model Supplies and project materials	
Family and Community Services	932618	\$25.00	Supplies for community service-based projects	
Fashion Design I	935618	\$25.00	Project materials	
Fashion Design II	935918	\$30.00	Project materials	
Floral Design	905318	\$115.00	Project materials	
Food Technology & Safety	906718	\$75.00	Food Lab Materials	\$16 Servsafe Food Handler
Health Science Theory/Clinical for Advanced Nursing- Dual Credit	9268DC18	\$17.00	Malpractice insurance	
Health Science Theory	926918	\$10.00	CPR Certification	
HVAC I	962118	\$15.00	Safety glasses,ear plugs, & dust masks	
HVAC II	962318	\$15.00	Safety glasses,ear plugs, & dust masks	
Instructional Practices in Education & Training	933318	\$35.00	Clothing	
Interior Design I	936018	\$30.00	Project materials utilized for a variety of mediums	
Interior Design II	936118	\$50.00	Project materials utilized for a variety of mediums	
Introduction to Aircraft Technology		\$10.00	Safety glasses, gloves, project-based materials	
Introduction to Welding	966718	\$25.00	Safety glasses, dust masks, ear plugs, clothing, and project materials	



CTE Fees Cont.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

CTE Course	Course	Fee	Purpose	Certification Fee
Lifetime Nutrition and Wellness	934818	\$25.00	Food Lab Materials	
Networking/Networking Lab	965218			\$337 CCNA Certification Exam
Practicum in Applied Agriculture Engineering	908618	\$50.00	Safety glasses, dust masks, ear plugs, uniform, and project materials	
Practicum in Architectural Design	947518	\$10.00	Model Supplies and project materials	
Practicum in Audio/Video Production	91518	\$25	SD Card and project materials	
Practicum in Automotive Technology	961918	\$50.00	Safety glasses, ear plugs, uniform, and project materials	
Practicum in Early Learning	933818	\$35.00	Clothing	
Practicum in Construction Technology	961718	\$15.00	Safety glasses, dust masks, ear plugs, and consumable supplies	
Practicum in Culinary Arts	935218	\$75.00	Culinary Uniform	
Practicum in Culinary Arts	935218	\$25.00	Food Lab Materials	
Practicum in Education and Training	933418	\$35.00	Clothing	
Practicum in Engineering Design	936918	\$25.00	Model Supplies and project materials	
Practicum in Family & Community Services	932718	\$30.00	Supplies for community service-based projects	
Practicum in Fashion Design	936318	\$30.00	Project materials	
Practicum in Horticulture & Floral Design	905218	\$165.00	Project materials	\$105 TSFA Level 2 Certification Exam
Practicum in Health Science-Clinical	927918	\$17.00	Malpractice Insurance	



CTE Fees Cont.

CTE Course	Course	Fee	Purpose	Certification Fee
Practicum in Health Science - CNA	927418	\$17.00	Malpractice Insurance	
Practicum in Health Science-Diagnostics				\$130 EKG Technician Exam
Practicum in Health Science - EMT	927618	\$468.00	EMS Provider Fees	
Practicum in Health Science - EMT	927618	\$17	Malpractice Insurance	
Practicum in Health Science- Pharm Tech	927718			\$140 Pharmacy Technician Certification Exam
Practicum in Interior Design	936218	\$50.00	Project materials utilized for a variety of mediums	
Practicum in Law Enforcement	962918	\$35.00	Clothing	
Practicum in Veterinary Science	907618			\$140 Veterinary Assistant Certification Exam
Practicum in Small Engine Technology	967118	\$15.00	safety glasses, dust masks, ear plugs, clothing, and consumable supplies	
Practicum in Welding	966918	\$25.00	safety glasses, dust masks, ear plugs and consumable supplies	
Principles of Applied Engineering	947018	\$10.00	Model Supplies and project materials	
Principles of Animation	949318	\$15.00	Project Supplies and Animation Kits	
Principles of Architecture	948118	\$10.00	Model Supplies and project materials	
Principles of Audio/Video		\$25.00	SD Card and project materials	
Principles of Health Science Nursing - DC (Klein High)	9265DC18			\$10 CPR Certification Exam (BLS)

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



CTE Fees Cont.

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index

CTE Course	Course	Fee	Purpose	Certification Fee
Principles of Hospitality & Tourism	935118	\$25.00	Food Lab Materials	
Principles of Human Services	933118	\$20.00	Food Lab Materials	
Principles of Human Services	933118	\$20.00	Project materials	
Robotics I	964118	\$10.00	Supplies and materials utilized for a variety of projects	
Robotics II	964218	\$15.00	Supplies and materials utilized for a variety of projects	
Practicum in Robotics	966418	\$20.00	Supplies and materials utilized for a variety of projects	
ROTC 1	1901	\$75	Uniform Alterations & Cleaning, and equipment needs	
ROTC 2	1902	\$75	Uniform Alterations & Cleaning, and equipment needs	
ROTC 3	1903	\$75	Uniform Alterations & Cleaning, and equipment needs	
ROTC 4	1904	\$75	Uniform Alterations & Cleaning, and equipment needs	
Small Engine Technology I	967218	\$15.00	Safety glasses, dust masks, ear plugs, and project materials	
Small Engine Technology II	967418	\$15.00	Safety glasses, dust masks, ear plugs, and project materials	
Solid State Electronics	963918	\$15.00	Supplies and Materials utilized for a variety of student projects	



CTE Fees Cont.

CTE Course	Course	Fee	Purpose	Certification Fee
Welding I	966818	\$25.00	Safety glasses, dust masks, ear plugs, clothing, and project materials	
Welding II	967018	\$25.00	Safety glasses, dust masks, ear plugs, clothing, and project materials	
Wildlife, Fisheries, and Ecology Management	904618			\$15 Hunter's Safety Certification Exam and \$20 Boater Education Certification Exam

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Fine Arts Course Fees

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index

Content	Course		Fee	Per	Notes
Fine Arts	Art - Year 1		\$45	year	Includes equipment and consumable materials used to create final products in a variety of mediums.
Fine Arts	Art - Year 2		\$55	year	
Fine Arts	Art - Year 3		\$55	year	
Fine Arts	Art - Year 4		\$55	year	
Fine Arts	Art - IB		\$65	year	
Fine Arts	Band - Year 1	≤	\$650	year	Includes master class and large ensemble clinicians, marching band design costs and tech staff, accompanists, choreographers, organization apparel, required entry fees, hospitality, office supplies and other equipment, and other extracurricular and consumable expenses on a program by program basis. Does not include instrument rental, one time purchases such as marching shoes, rehearsal clothing, garment bags, etc.
Fine Arts	Band - Year 2	≤	\$650	year	
Fine Arts	Band - Year 3	≤	\$650	year	
Fine Arts	Band - Year 4	≤	\$650	year	
Fine Arts	Color Guard Year 1-4	≤	\$850	year	
Fine Arts	Orchestra - Year 1	≤	\$250	year	
Fine Arts	Orchestra - Year 2	≤	\$250	year	
Fine Arts	Orchestra - Year 3	≤	\$250	year	
Fine Arts	Orchestra - Year 4	≤	\$250	year	
Fine Arts	Choir - Year 1	≤	\$150	year	
Fine Arts	Choir - Year 2	≤	\$150	year	
Fine Arts	Choir - Year 3	≤	\$150	year	
Fine Arts	Choir - Year 4	≤	\$150	year	
Fine Arts	Theater - Year 1	≤	\$40	year	
Fine Arts	Theater - Year 2	≤	\$40	year	
Fine Arts	Theater - Year 3	≤	\$40	year	Includes equipment and consumable materials used to create in class projects and productions.
Fine Arts	Theater - Year 4	≤	\$40	year	
Fine Arts	Dance - Year 1	≤	\$50	year	
Fine Arts	Dance - Year 2	≤	\$50	year	
Fine Arts	Dance - Year 3	≤	\$50	year	Includes basic practice wear, choreography, and clinicians. Company and Crew include uniforms, clinicians, and required contest costs.
Fine Arts	Dance - Year 4	≤	\$50	year	
Fine Arts	Dance - Company	≤	\$200	year	
Fine Arts	Dance - Crew	≤	\$200	year	
Fine Arts	Dance - Team	≤	\$1,300	year	Includes costumes and apparel, choreography, show design, clinicians, required contest fees, summer camps, and prop construction.



Course Index

AP (Advanced Placement)

CTE (Career and Technical Education)

Dual Credit

Fine Arts

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

Accelerated
Pathways

Course Fees

Index



AP Course Index

KEY

Core - This course receives core credit. See counselor for detailed information.

FA = Fine Arts

SC = Science

MC = Math

LOTE = Languages Other Than English

PR - Prerequisite required.

App - Approval process required. The approval process varies by course. The process may include a student interest survey and/or instructor/counselor recommendation.

OE-College Board Open Enrollment Policy

ADVANCED PLACEMENT® COURSE TITLE	Course	Cr	9th	10th	11th	12th	Core	PR	
AP CAPSTONE DIPLOMA PROGRAM									
AP Seminar		1		✓	✓	✓	ELEC	PR	App
AP Research		1			✓	✓	ELEC	PR	App
FINE ARTS									
AP 2-D Art and Design	3132	1			✓	✓	FA	PR	OE
AP 3-D Art and Design	3134	1			✓	✓	FA	PR	OE
Art History	3136P	1			✓	✓	FA	PR	OE
AP Drawing	3131	1			✓	✓	FA	PR	OE
AP Music Theory	3821	1			✓	✓	FA	PR	OE
ENGLISH									
AP English Language and Composition	0135	1			✓		ELA	PR	OE
AP English Literature and Composition	0145	1				✓	ELA	PR	OE
HISTORY AND SOCIAL SCIENCES									
AP Comparative Government and Politics		1				✓	SS	PR	OE
AP European History	0226	1		✓	✓	✓	SS	PR	OE
AP Human Geography	0238	1	✓	✓	✓	✓	SS	PR	OE
AP Macroeconomics	0256	.5			✓	✓	SS	PR	OE
AP Microeconomics	0255	.5			✓	✓	SS	PR	OE
AP Psychology	0262	.5		✓	✓	✓	SS	PR	OE
AP US Government and Politics	0245	.5			✓	✓	SS	PR	OE
AP United States History	0215	1		✓	✓	✓	SS	PR	OE
AP World History: Modern	0224	1	✓	✓			SS	PR	App

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



ADVANCED PLACEMENT® COURSE TITLE	Course	Cr	9th	10th	11th	12th	Core	PR	
MATH AND COMPUTER SCIENCE									
AP Calculus AB	0365	1			✓	✓	MC	PR	OE
AP Calculus BC	0367	1			✓	✓	MC	PR	OE
AP Computer Science A	4901	2		✓	✓	✓	MC & LOT E	PR	OE
AP Computer Science Principles	4902	1	✓	✓			LOT E	PR	OE
AP Statistics	0397	1		✓	✓	✓	MC	PR	OE
SCIENCES									
AP Biology	0425	1		✓	✓	✓	SC	PR	OE
AP Chemistry	0435	1		✓	✓	✓	SC	PR	OE
AP Environmental Science	0465	1			✓	✓	SC	PR	OE
AP Physics 1: Algebra-Based	0445	1		✓	✓	✓	SC	PR	OE
AP Physics 2: Algebra-Based	0448	1			✓	✓	SC	PR	OE
AP Physics C: Electricity and Magnetism	0449	1			✓	✓	SC	PR	App
AP Physics C: Mechanics	0449	1			✓	✓	SC	PR	App
WORLD LANGUAGES AND CULTURE									
AP Chinese Language and Culture		1				✓	LOT E	PR	OE
AP French Language and Culture	2620	1	✓	✓	✓	✓	LOT E	PR	OE
AP German Language and Culture	2627	1				✓	LOT E	PR	OE
AP Italian Language and Culture		1				✓	LOT E	PR	App
AP Japanese Language and Culture		1				✓	LOT E	PR	App
AP Latin	2637	1			✓	✓	LOT E	PR	App
AP Spanish Language and Culture	2609	1	✓	✓	✓	✓	LOT E	PR	OE
AP Spanish Literature and Culture	2600	1	✓	✓	✓	✓	LOT E	PR	OE

College Board Open Enrollment Policy: All motivated and academically prepared students who want to take AP courses should be allowed to do so.

CTE Course Index

School Year 2023-2024

Career & Technical Education, Journalism & JROTC

KEY:

Core - This course receives core credit. See counselor for detailed information.

FA = Fine Arts **SC** = Science **MC** = Math **LOTE** = Languages Other Than English

PR - Prerequisite required.

App - Approval process required. The approval process varies by course. The process may include a student interest survey and/or instructor/counselor recommendation.

Course Name	KISD Code	Grade	Credit	Grade Points	Prerequisites	Core	APP
AC/DC ELECTRONICS	963818	10	1	5	Principles of Applied Engineering		
AC/DC ELECTRONICS DUAL CREDIT	9640DC18	10	1	6	Approval Process		APP
ACCOUNTING I	916218	10 thru 12	1	5	None		
ACCOUNTING II	916418	11 thru 12	1	5.5	Accounting I	MC	
ADVANCED ANIMAL SCIENCE	907018	11 thru 12	1	5.5	Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock Production or Vet Med Applications	SC	
ADVANCED CULINARY ARTS	936418	11 thru 12	2	5.5	Culinary Arts		
ADVANCED FLORAL DESIGN	905718	11 thru 12	1	5	Floral Design		
ADVANCED JOURNALISM: BROADCAST 1	176	9 thru 12	1	5.5	Journalism 1 or Photojournalism and/or Sponsor Approval		APP
ADVANCED JOURNALISM: BROADCAST 2	177	10 thru 12	1	5.5	Advanced Journalism: Broadcast 1 and Sponsor Approval		APP
ADVANCED JOURNALISM: BROADCAST 3	178	11 thru 12	1	5.5	Advanced Journalism: Broadcast 2 and Sponsor Approval		APP
ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 1	194	9 thru 12	1	5.5	Journalism 1 or Photojournalism, and/or Sponsor Approval		APP
ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 2	195	10 thru 12	1	5.5	Advanced Journalism Newspaper Production 1 and Sponsor Approval		APP
ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 3	196	12	1	5.5	Advanced Journalism Newspaper Production 2 and Sponsor Approval		APP
ADVANCED JOURNALISM: YEARBOOK 1	191	9 thru 12	1	5.5	Journalism 1 or Photojournalism and/or Sponsor Approval		APP
ADVANCED JOURNALISM: YEARBOOK 2	192	10 thru 12	1	5.5	Advanced Journalism: Yearbook 1 and Sponsor Approval		APP
ADVANCED JOURNALISM: YEARBOOK 3	193	11 thru 12	1	5.5	Advanced Journalism: Yearbook 2 and Sponsor Approval		APP
ADVANCED LEGAL SKILLS AND PROFESSIONS	960918	11 thru 12	1	5	Court Systems and Practices		
ADVANCED MARKETING	960018	12	2	5	Sports & Entertainment Marketing/ II or Social Media Marketing/ Advertising		
ADVANCED PLANT & SOIL SCIENCE	907118	11 thru 12	1	5.5	Floral Design or Horticulture Science and Biology, Integrated Physics and Chemistry, Chemistry, or Physics	SC	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

ADVANCED VIDEO GAME PROGRAMMING	906018	11 thru 12	1	5.5	Video Game Programming		
ADVERTISING	959518	10 thru 12	0.5	5	Sports and Entertainment Marketing and Fashion Marketing		
AGRICULTURAL MECHANICS & METAL TECHNOLOGIES	906118	10 thru 11	1	5	None		
AGRICULTURAL STRUCTURES DESIGN & FABRICATIONS/LAB	907918	11 thru 12	2	5	Agriculture Mechanics and Metal Technologies		
ANATOMY & PHYSIOLOGY	927118	10 thru 12	1	5.5 6.0 Class of 2025	Biology I and Chemistry I Recommended Prerequisite: Principles of Health Science and Medical Terminology	SC	
ANATOMY & PHYSIOLOGY DUAL CREDIT	9271DC 18	10 thru 12	1	6	Biology I and Chemistry I Recommended Prerequisite: Principles of Health Science and Medical Terminology	SC	APP
ANATOMY & PHYSIOLOGY DUAL CREDIT- MEDICAL SCIENCE -KLEIN HIGH	9275DC 18	10	2	6	Biology I and Chemistry I Recommended Prerequisite: Principles of Health Science and Medical Terminology	SC	APP
ANIMATION I	947618	10 thru 11	1	5	Principles of Animation		
ANIMATION II/LAB	947718	11 thru 12	2	5.5	Animation I		
AP COMPUTER SCIENCE A	4901 4901L (LOTE)	10 thru 12	2	6	Computer Science Klein Prep (KP)		
AP COMPUTER SCIENCE PRINCIPLES	4902	9 thru 10	1	6	Algebra 1		
ARCHITECTURAL DESIGN I	947218	10 thru 11	1	5	Principles of Architecture		
ARCHITECTURAL DESIGN II	947318	11 thru 12	2	5.5	Architectural Design I		
AUDIO/VIDEO PRODUCTION I	915218	10 thru 11	1	5	Principles of Audio/Video Production		
AUDIO/VIDEO PRODUCTION II	915918	11 thru 12	1	5	A/V Production I		
AUTOMOTIVE BASICS	961118	9 thru 10	1	5	None		
AUTOMOTIVE TECHNOLOGY I	961218	10 thru 11	2	5	Automotive Basics (Recommended)		APP
AUTOMOTIVE TECHNOLOGY I DUAL CREDIT	9613DC 18	10 thru 11	2	6	Automotive Basics (Recommended)		APP
AUTOMOTIVE TECHNOLOGY II	961418	11 thru 12	2	5.5	Automotive Technology I		
AUTOMOTIVE TECHNOLOGY II DUAL CREDIT	9615DC 18	11 thru 12	2	6	Automotive Technology I		
BUSINESS INFORMATION MANAGEMENT I	914418	9 thru 12	1	5	None		
BUSINESS INFORMATION MANAGEMENT II	915618	10 thru 12	1	5.5	Business Information Management I		
BUSINESS INFORMATION MANAGEMENT II DUAL CREDIT	9156DC 18	10 thru 12	1	6	Business Information Management I		APP
BUSINESS LAW	917318	10 thru 12	1	5	None		
BUSINESS LAW DUAL CREDIT	9173DC 18	10 thru 12	1	6	None		APP
BUSINESS MANAGEMENT	912518	11 thru 12	1	5	Business Law/Business Law DC or Business Information Management II/ Business Information Management II DC		

CAREER PREPARATION I	967718	11 thru 12	2	5	At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process		APP
CAREER PREPARATION II	967918	11 thru 12	2	5	At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process		APP
CHILD DEVELOPMENT	933518	10 thru 11	1	5	None		
CHILD GUIDANCE	933618	11 thru 12	2	5.5	Child Development and Approval Process		APP
COMPUTER AIDED DRAFTING FOR GIS/LAND SURVEYING- KCHS	9464DC 18	10	1	6	Principles of Applied Engineering		APP
COMPUTER SCIENCE 1	4900	9 thru 11	1	5.5	Algebra 1		
COMPUTER SCIENCE 2	4903	10 thru 12	1	5.5	Computer Science 1 or KP Computer Science 1	LOTE	
COMPUTER SCIENCE 3	4906	11 thru 12	1	5.5	Computer Science II, AP Computer Science A		
COMPUTER SCIENCE KIEIN PREP (KP)	4900Q	9 thru 11	1	5.5	Algebra 1	MC/ LOTE	
COMPUTER SCIENCE - IB SL	3426	11 thru 12	1	6	IB Requirements	MC/ LOTE	APP
COMPUTER SCIENCE - IB HL	3428	12 thru 12	2	6	IB Requirements	MC/ LOTE	APP
CONSTRUCTION TECHNOLOGY I	961818	10 thru 11	2	5	None		
CONSTRUCTION TECHNOLOGY II	962018	11 thru 12	2	5.5	Construction Technology I		
CORRECTIONAL SERVICES	963318	11 thru 12	1	5	Law Enforcement I		
CORRECTIONAL SERVICES DC	9634DC 18	11 thru 12	1	6	Federal Law & Protective Services or Criminal Investigations		APP
COSMETOLOGY CAREERS	965418	12	2	5	Successful completion of Cosmetology I and a minimum of 450 hours		
COSMETOLOGY I /LAB	962618	11	3	5	Approval Process		APP
COSMETOLOGY II/LAB	962418	12	2	5.5	Successful completion of Cosmetology I and a minimum of 450 hours		
COURT SYSTEMS & PRACTICES	963418	10 thru 11	1	5	Law Enforcement I		
COURT SYSTEMS & PRACTICES DC	9634DC 18	10 thru 11	1	6	Law Enforcement I		

CRIMINAL INVESTIGATION	963618	10 thru 11	1	5	Law Enforcement I		
CULINARY ARTS	935018	10 thru 11	2	5	None		
CYBERSECURITY CAPSTONE	946318	12	1	5.5 6.0 Class of 2025	Digital Forensics		
DIGITAL DESIGN MEDIA PRODUCTION	4922J	7 thru 8	1	5	Ability to work independently		
DIGITAL FORENSICS		12-Nov	1	5.5	AP Computer Science Principles or AP Computer Science A		
ELECTRICAL TECHNOLOGY I DUAL CREDIT	9605DC 18	11	1	6	AC/DC Electronics Dual Credit Recommended Prerequisite: Strong Math and Reading skills		APP
ELECTRICAL TECHNOLOGY II DUAL CREDIT	9606DC 18	12	2	6	2.0 Credits Prerequisite: Electrical Technology I Dual Credit		APP

ENERGY AND NATURAL RESOURCES	904818	11 thru 12	1	5	Wildlife, Fisheries & Ecology Management		
ENGINEER YOUR WORLD	949018	11 thru 12	1	5.5	Engineering Design and Presentation I		
ENGINEERING DESIGN & PRESENTATION I	947418	10 thru 11	1	5	Principles of Applied Engineering		
ENGINEERING DESIGN & PRESENTATION II	936818	11 thru 12	2	5.5	Engineering Design and Presentation I		
ENTREPRENEURSHIP	959418	10 thru 11	1	5	Recommended: Principles of Business, Marketing & Finance		
ENTREPRENEURSHIP II	959318	11 thru 12	1	5	Entrepreneurship		
EQUINE SCIENCE	907218	10 thru 11	0.5	5	None		
EXTENDED CAREER PREPARATION	967618	11 thru 12	3	5	At least 16 years of age and valid work documentation (such as a social Security card) and Approval Process.		
FAMILY & COMMUNITY SERVICES	932618	11 thru 12	1	5	Human Growth & Development		
FASHION DESIGN I	935618	10 thru 11	1	5	None		
FASHION DESIGN II & LAB	935918	11 thru 12	2	5.5	Fashion Design I		
MARKETING		9 thru 10	1	5	None		
FEDERAL LAW ENFORCEMENT & PROTECTIVE SERVICES	963718	10 thru 11	1	5	Law Enforcement I		
FINANCIAL ANALYSIS	918618	12	1	5.5	Accounting II		
FINANCIAL MATHEMATICS	919018	10 thru 12	1	5	Algebra I	MC	
FLORAL DESIGN	905318	10 thru 12	1	5	None	FA	
FOOD TECHNOLOGY & SAFETY	906718	10 thru 12	1	5	None		
FORENSIC PSYCHOLOGY	965318	11 thru 12	1	5	Criminal Investigations		
FORENSIC SCIENCE	963518	11 thru 12	1	5.5	Law Enforcement I and Biology I and Chemistry I	SC	
FOUNDATIONS OF CYBERSECURITY	946218	9 thru 10	1	5	None		
FUNDAMENTALS OF COMPUTER SCIENCE	9141J18	7 thru 8	1	5	None		
GEOGRAPHICAL INFORMATION SYSTEMS DUAL CREDIT- KCHS	9466DC18	10	1	6	Computer Aided Drafting/Basic Computer Aided Drafting		APP
GATEWAY TO CODING (Intermediate)	9489J18	7 thru 8	0.5	5	None		
GATEWAY TO STEM I	9487J18	7 thru 8	0.5	5	Strong Math and Science Skills		
GATEWAY TO STEM II	9488J18	7 thru 8	0.5	5	Strong Math and Science Skills Gateway to Stem I		
HEALTH SCIENCE THEORY	926318	11	1	5.5	Principles of Health Science and Medical Terminology Recommended Prerequisite: Anatomy and Physiology		

HORTICULTURE SCIENCE	905018	10 thru 11	1	5	None		
HUMAN GROWTH & DEVELOPMENT	932818	10 thru 11	1	5	None		
HVAC & REFRIGERATION TECHNOLOGY I	962118	10 thru 11	1	5	None		
HVAC & REFRIGERATION TECHNOLOGY II	962318	11 thru 12	2	5.5	HVAC & Refrigeration Technology I		
IB COMPUTER SCIENCE HL	3428	11 thru 12	1	6	One credit of computer science		
IB COMPUTER SCIENCE SL	3426	11 thru 12	1	6	One credit of computer science		
INDEPENDENT STUDY IN COMPUTER SCIENCE I	4907	11 thru 12	1	5.5	Computer Science AP or Computer Science 3		
INDEPENDENT STUDY IN COMPUTER SCIENCE II	4908	12	1	5.5	Independent Study in Computer		
INDEPENDENT STUDY OF JOURNALISM	0156, 0157, 0159	11 thru 12	1	5.5	Sponsor Approval and completion of Advanced Journalism		APP
INSTRUCTIONAL PRACTICES IN EDUCATION & TRAINING	933318	11 thru 12	2	5.5	Human Growth & Development or Child Development		APP
INTERIOR DESIGN I	936018	10 thru 11	1	5	Principles of Architecture (Recommended)		
INTERIOR DESIGN II	936118	11 thru 12	2	5.5	Interior Design I		
COMPUTER NETWORKING I	964718	10 thru 11	1	5.5	None		
COMPUTER NETWORKING II	965118	10 thru 11	1	5.5	Taken Concurrently with Internetworking Technologies I		
INTERPERSONAL STUDIES	933018	9 thru 12	0.5	5	None		
INTRODUCTION TO WELDING	966718	9 thru 10	1	5	None		
JOURNALISM 1	150	9 thru 12	1	5	Mastery of State Writing Assessment		
LAND SURVEYING DUAL CREDIT-KCHS	9467DC 18	11	1	6	Geospatial Engineering and Land Surveying Pathway		APP
LAW ENFORCEMENT I	963018	9 thru 10	1	5	None		
LAW ENFORCEMENT II	963118	11 thru 12	1	5	Federal Law & Protective Services or Criminal Investigations		
LIFETIME NUTRITION & WELLNESS	934818	9 thru 12	0.5	5	None		
LIVESTOCK PRODUCTION	906918	10 thru 11	1	5	None		
MEDICAL MICROBIOLOGY DC	9281DC 18	11 thru 12	1	6	Biology I and Chemistry I Recommended Prerequisite: Principles of Health Science, Medical Terminology and/or Anatomy & Physiology.	SC	APP
MEDICAL MICROBIOLOGY	928118	11 thru 12	1	5.5 6.0 Class of 2025	Biology I and Chemistry I Recommended Prerequisite: Principles of Health Science, Medical Terminology and/or Anatomy & Physiology.	SC	
MEDICAL TERMINOLOGY	927818	10	1	5	Principles of Health Science OR Concurrent Enrollment in Principles of Health Science		



MEDICAL TERMINOLOGY FOR MEDICAL SCIENCES- KHS	900018	9	1	5			APP
MONEY MATTERS	918318	9 thru 10	1	5	None		
NETWORKING/NETWORKING LAB	965218	11 thru 12	2	5.5	Successful completion of Internetworking II		
PATHOPHYSIOLOGY	928218	11 thru 12	1	5.5 6.0 Class of 2025	Anatomy and Physiology Recommended Prerequisite: Principles of Health Science and Medical Terminology	SC	
PHARMACOLOGY	926718	11	1	5	Principles of Health Science Recommended Prerequisite: Medical Terminology		
PHOTOJOURNALISM	158	9 thru 11	0.5	5	Sponsor Approval		
PRACTICUM IN ANIMATION	949218	12	2	5.5 6.0 Class of 2025	Animation II		
PRACTICUM IN APPLIED AGRICULTURE ENGINEERING	908618	12	2	5.5	Ag Structures Design and Fabrication		
PRACTICUM IN ARCHITECTURAL DESIGN	947518	12	2	5.5 6.0 Class of 2025	Architectural Design II		
PRACTICUM IN AUDIO/VIDEO PRODUCTION	915418	12	2	5.5	A/V Production II		
PRACTICUM IN AUTOMOTIVE TECHNOLOGY	961918	12	2	5.5	Automotive Technology II		
PRACTICUM IN BUSINESS MANAGEMENT	912618	12	2	5.5	Business Management or Global Business and HR Management if previously taken		
PRACTICUM IN COMPUTER SCIENCE	946018	12	2	5.5 6.0 Class of 2025	AP Computer Science A		
PRACTICUM IN CONSTRUCTION TECHNOLOGY	961718	12	2	5.5	Construction Technology II		
PRACTICUM IN CULINARY ARTS	935218	12	2	5.5	Advanced Culinary Arts		
PRACTICUM IN EARLY LEARNING	933818	12	2	5.5	Child Guidance and Approval Process		
PRACTICUM IN EDUCATION AND TRAINING	933418	12	2	5.5	Instructional Practices in Education and Training		APP

PRACTICUM IN ENGINEERING DESIGN	936918	12	2	5.5 6.0 Class of 2025	Engineering Design and Presentation II		
PRACTICUM IN ENTREPRENEURSHIP	959718	12	2	5.5	Entrepreneurship II		
PRACTICUM IN FAMILY & COMMUNITY SERVICES	932718	12	2	5.5	Family and Community Services		
PRACTICUM IN FASHION DESIGN	936318	12	2	5.5	Fashion Design II and Lab		
PRACTICUM IN FORENSIC SCIENCE		12	2	6	Forensic Science		
PRACTICUM IN HEALTH SCIENCE - CERTIFIED PHARMACY TECHNICIAN	927718	12	2	5.5 6.0 Class of 2025	Health Science Theory and Pharmacology		APP
PRACTICUM IN HEALTH SCIENCE - CLINICAL	927918	12	2	5.5 6.0 Class of 2025	Health Science Theory and Anatomy and Physiology		APP

PRACTICUM IN HEALTH SCIENCE - CNA	927418	12	2	5.5 6.0 Class of 2025	Health Science Theory and Anatomy & Physiology and CPR Certification Approval Process		APP
PRACTICUM IN HEALTH SCIENCE - EMT	927618	12	2	5.5 6.0 Class of 2025	Health Science Theory and Anatomy and Physiology Recommended Prerequisite: Pharmacology Age Requirement: Students must be 18 years of age on or before May 1, of their 12th grade year. Students who do not meet the age requirement by a few days may submit the interest form for consideration of acceptance if space is available		APP

PRACTICUM IN HEALTH SCIENCE-DIAGNOSTICS	926218	12	2	5.5	Health Science Theory and Anatomy and Physiology		
PRACTICUM IN HORTICULTURE & FLORAL DESIGN	905218	12	2	5.5	Advanced Floral Design		
PRACTICUM IN HVAC & REFRIGERATION	962518	12	2	5.5	HVAC & Refrigeration Technology II		
PRACTICUM IN INTERIOR DESIGN	936218	12	2	5.5	Interior Design II		
PRACTICUM IN LAW ENFORCEMENT	962918	12	2	5.5	Law Enforcement I and 1 Upper Level Criminal Justice Course		APP
PRACTICUM IN LEGAL STUDIES	964818	12	2	5.5	Advanced Legal Skills and Professions or Business Law and Court Systems ; Approval Process		
PRACTICUM IN NETWORKING	964618	12	2	5.5	Successful completion of Networking/Networking Lab		
PRACTICUM IN ROBOTICS	966418	12	2	5.5	Robotics II		
PRACTICUM IN SMALL ENGINE TECHNOLOGY	967118	12	2	5.5	Small Engine Technology II		
PRACTICUM IN VIDEO GAME PROGRAMMING & DESIGN	949418	12	2	5.5	Advanced Video Game Programming		
PRACTICUM IN WELDING	966918	12	2	5.5	Welding II		APP
PRACTICUM VETERINARY MEDICAL ASSISTING	907618	12	2	5.5 6.0 Class of 2025	Veterinary Medical Applications and Approval Process		APP
PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES	904018	9 thru 10	1	5	None		
PRINCIPLES OF ANIMATION	949318	9 thru 10	1	5	Recommended Digital Design and Media Production		
PRINCIPLES OF APPLIED ENGINEERING	947018	9 thru 10	1	5	Strong Math Skills		
PRINCIPLES OF ARCHITECTURE	948118	9 thru 10	1	5	None		
PRINCIPLES OF AUDIO/VIDEO PRODUCTION	949518	9 thru 10	1	5	None		
PRINCIPLES OF BUSINESS, MARKETING & FINANCE	916618	8 thru 10	1	5	None		
PRINCIPLES OF BUSINESS, MARKETING & FINANCE (Intermediate)	9166J18	8	1	5	None		
PRINCIPLES OF HVAC	961618	9 thru 10	1	5	None		
PRINCIPLES OF CONSTRUCTION	961618	9 thru 10	1	5	None		
PRINCIPLES OF EDUCATION & TRAINING	932918	9 thru 10	1	5	None		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



PRINCIPLES OF EXERCISE SCIENCE & WELLNESS	TBD	9 thru 10	1	5	None		
PRINCIPLES OF HEALTH SCIENCE	927018	9 thru 10	1	5	Biology I or Concurrent Enrollment		
PRINCIPLES OF HEALTH SCIENCE FOR MEDICAL SCIENCE DUAL CREDIT-KLEIN HIGH	9265DC 18	10	1	6	Medical Science Accelerated College Pathway		APP
PRINCIPLES OF HOSPITALITY & TOURISM	935118	9 thru 10	1	5	None		
PRINCIPLES OF HUMAN SERVICES	933118	7 thru 9	1	5	None		
PRINCIPLES OF HUMAN SERVICES (Intermediate)	9331J18	7 thru 8	1	5	None		
PRINCIPLES OF INFORMATION TECHNOLOGY (Intermediate)	9332J18	7 thru 8	1	5	None		
PROFESSIONAL COMMUNICATIONS (Intermediate)	9700J18	7 thru 8	0.5	5	None		
RASTER BASED GEOGRAPHICAL INFORMATION	9465DC 18	11	2	6	Computer Aided Drafting/Basic Computer-Aided Drafting and Geographic Information Systems DC/Intro to GIS		APP
ROBOTICS I	964118	10 thru 11	1	5	Principles of Applied Engineering		
ROBOTICS II	964218	11 thru 12	1	5.5	Robotics I		
ROTC 1				5			APP
ROTC 2				5			APP
ROTC 3				5			APP
ROTC 4				5			APP
SCIENTIFIC RESEARCH AND DESIGN IN NATURAL RESOURCES	946918	12	1	5.5	Environmental		
SECURITIES AND INVESTMENTS	918418	11 thru 12	1	5	None		
SMALL ANIMAL MANAGEMENT	907718	10 thru 11	0.5	5	None		
SMALL ENGINE TECHNOLOGY I	967218	10 thru 11	1	5	None		
SMALL ENGINE TECHNOLOGY II	967418	11 thru 12	2	5	Small Engine Technology I		
SOCIAL MEDIA MARKETING	959218	10 thru 12	0.5	5	Sports and Entertainment Marketing and Fashion Marketing		
SOLID STATE ELECTRONICS	963918	11 thru 12	1.0	5.5	AC/DC Electronics		
SPORTS & ENTERTAINMENT MARKETING	958818	10 thru 11	0.5	5	None		
SPORTS AND ENTERTAINMENT MARKETING II	958918	10 thru 11	0.5	5	Sports and Entertainment Marketing and Fashion Marketing		
VETERINARY MEDICAL APPLICATIONS	907418	11 thru 12	1	5.5	Small Animal and Equine Science or Livestock Production		
VIDEO GAME DESIGN	915118	9 thru 10	1	5	None		

VIDEO GAME PROGRAMMING	915518	10 thru 11	1	5	Video Game Design		
WELDING I	966818	10 thru 11	2	5	None		
WELDING II	967018	11 thru 12	2	5.5	Welding I		
WILDLIFE, FISHERIES & ECOLOGY MANAGEMENT	904618	10 thru 11	1	5	None		

Table of Contents
Graduation Plan
Special Programs
Core Courses
STEM
Business & Industry
Public Service
Arts & Humanities
Multi-Disciplinary
Advanced Academics
Accelerated Pathways
Course Fees
Index

DC Course Index

*Note: All dual credit courses have prerequisites that varies by course. Please contact high school counselor

Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Art	3100DC	0.5	<u>ARTS 1303</u>	3 hours	✓	✓	✓	✓
Anatomy & Physiology	927118AH 9271DC18	1	<u>BIOL 2401</u>	4 hours			✓	✓
Automotive Technology I	9612DC18	2	<u>AUMT 1405</u> <u>AUMT 1407</u>	4 hours 4 hours			✓	✓
Automotive Technology II	9614DC18	2	<u>AUMT 1410</u> <u>AUMT 1416</u>	4 hours 4 hours			✓	✓
Biology	0425DC	1	<u>BIOL 1406</u> <u>BIOL 1407</u>	4 hours 4 hours			✓	✓
Business Information Management II	9156DC18 915618AH	1	<u>BUSI 1305</u>	3 hours		✓	✓	✓
Business Law	917318AH 9173DC18	1	<u>BUSI 2301</u>	3 hours		✓	✓	✓
Chemistry	0431AH/0431DC	1	<u>CHEM 1405</u>	4 hours			✓	✓
Chemistry	0434AH/0434DC	1	<u>CHEM 1411</u>	4 hours			✓	✓
College Algebra	0389A/0389DC	1	<u>Math 1314</u>	3 hours				✓
Correctional Services (Klein Oak only)	9633DC18	1	<u>CRIJ 1301</u> <u>CRIJ 2313</u>	3 hours 3 hours			✓	✓
Court Systems & Practice (Klein Oak only)	9634DC18	1	<u>CRIJ 1301</u> <u>CRIJ 1306</u>	3 hours 3 hours			✓	✓
Economics	0251DC	0.5	<u>ECON 2301</u>	3 hours			✓	✓
English 3	0131DC	1	<u>ENGL 1301</u> <u>ENGL 1302</u>	3 hours 3 hours			✓	
English 4	0141DC	1	<u>ENG 2322</u> <u>ENG 2323</u>	3 hours 3 hours				✓
Environmental Science	0465DC	1	<u>ENVR 1401</u> <u>ENVR 1402</u>	3 hours 3 hours			✓	✓
Government	0241DC	0.5	<u>GOVT 2305</u>	3 hours			✓	✓
Medical Microbiology	9281DC18	1	<u>BIOL 2420</u>	4 hours				✓
Physics	0441AH 0441DC	1	<u>PHYS 1401</u>	4 hours			✓	✓

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Pre-Calculus	0360DC	1	<u>MATH 2412</u>	4 hours			✓	✓
Psychology	0260DC	0.5	<u>PSYC 2301</u>	3 hours			✓	✓
Public Speaking 1	0190DC	0.5	<u>SPCH 1315</u>	3 hours	✓	✓	✓	✓
Sociology	0261DC	0.5	<u>SOCI 1301</u>	3 hours			✓	✓
Speech	0189DC	0.5	<u>SPCH 1311</u>	3 hours	✓	✓	✓	✓
Texas Government	0246DC	0.5	<u>GOVT 2306</u>	3 hours			✓	✓
US History	0211DC	1	<u>HIST 1301</u> <u>HIST 1302</u>	3 hours 3 hours		✓	✓	✓

*Note: These CTE dual credit courses below are only available to students accepted to the indicated college pathways. All dual credit courses have prerequisites which varies by course. Please contact the high school counselor.

Geospatial Engineering and Land Survey Accelerated College Pathway – Klein Collins High School								
Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Computer Aided Drafting for GIS/Land Surveying	9464DC18	1	<u>DFTG 1309</u>	3 hours		✓		
Geographic Information Systems	9466DC18	1	<u>GISC 1411</u>	4 hours		✓		
Land Surveying	9467DC18	1	<u>SRVY 1301</u>	3 hours			✓	
Practicum in Stem-Geospatial/Land Surveying	9468DC18	2	<u>SVRY 1441</u> <u>GISC 1401</u>	4 hours 4 hours				✓
Raster Based GIS	9465DC18	1	<u>GISC 1421</u>	4 hours			✓	

Global Business Accelerated College Pathway – Klein Forest High School								
Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Accounting I	916218AH 9162DC18	1	<u>ACNT 1303</u>	3 hours			✓	
Business Management II	9125DC18 912518BH	1	<u>BMGT 1327</u>	3 hours			✓	✓

*Note: These CTE dual credit courses below are only available to students accepted to the indicated college pathways. All dual credit courses have prerequisites which varies by course. Please contact the high school counselor.

Electrical Technology College Pathway – Klein Forest High School								
Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
AC/DC Electronics	9640DC18	1	<u>ELPT 1321</u> <u>ELPT 1311</u>	3 hours 3 hours		✓		
Electrical Technology I (Klein Forest only)	9605DC18	1	<u>ELPT 1325</u> <u>ELPT 1329</u> <u>ELPT 1315</u>	3 hours 3 hours 3 hours			✓	
Electrical Technology II (Klein Forest only)	9606DC18	2	<u>ELPT 2325</u> <u>ELPT 1345</u> <u>DFGT 2307</u>	3 hours 3 hours 3 hours				✓

Logistics Management College Pathway – Klein Forest High School								
Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Business Management II	9125DC18 912518BH	1	<u>BMGT 1327</u>	3 hours			✓	✓

Medical Sciences Accelerated College Pathway – Klein High School								
Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Medical Microbiology	9281DC18	1	<u>BIOL 2420</u> <u>BIOL 2421</u>	4 hours 4 hours				✓
Advanced Nursing	9266DC18	2	<u>VNSG 1160</u> <u>VNSG 1323</u> <u>VNSG 1400</u> <u>VNSG 1260</u>	1 hour 3 hours 4 hours 2 hours				✓
Health Science Theory	9268DC18	2	<u>VNSG 1226</u>	2 hours			✓	
Principles of Health Science	9265DC18	1	<u>VNSG 1304</u>	3 hours		✓		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Fine Arts Courses

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Choral Music 1	3610	9-12	1	5	none		
Choral Music 2	3620	10-12	1	5	Choral Music 1		
Choral Music 3	3630	11-12	1	5	Choral Music 2		
Choral Music 4	3640	12	1	5.5	Choral Music 3		
Vocal Ensemble 1	3650	9-12	1	5	none		
Vocal Ensemble 2	3651	10-12	1	5	Vocal Ensemble 1		
Vocal Ensemble 3	3652	11-12	1	5	Vocal Ensemble 2		
Vocal Ensemble 4	3653	12	1	5.5	Vocal Ensemble 3		
Applied Music 1	3810	10-12	1	5			
Applied Music 2	3811	11-12	1	5	Applied Music 1		
Varsity Band 1	3510	9-12	1	5			
Varsity Band 2	3511	10-12	1	5			
Varsity Band 3	3512	11-12	1	5			
Concert Band 1	3520	9-12	1	5			
Concert Band 2	3521	10-12	1	5			
Concert Band 3	3522	11-12	1	5			
Concert Band 4 (Ad)	3533	12	1	5.5			
Symphonic Band 1	3531	9-12	1	5			

Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Symphonic Band 2	3532	10-12	1	5			
Symphonic Band 3	3533	11-12	1	5			
Symphonic Band 4 (Ad)	3534	12	1	5.5			
Wind Ensemble	3541	9-12	1	5			
Wind Ensemble	3542	10-12	1	5			
Wind Ensemble	3543	11-12	1	5			
Wind Ensemble (Ad)	3544	12	1	5.5			
Mus 1 Jazz Band	3546	9-12	1	5			
Mus 2 Jazz Band	3547	10-12	1	5			
Mus 3 Jazz Band	3548	11-12	1	5			
Mus 4 Jazz Band (Ad)	3549	12	1	5.5			
Art 1	3100	9-12	1	5	None		
Art 2 Drawing	3104	9-12	1	5	Art I		
Art 2 Digital Art and Media	3109	9-12	1	5	Art I		
Art 2 Painting	3105	9-12	1	5	Art I		
Art 2 Photography	3106	9-12	1	5	Art I		
Art 2 Ceramics	3107	9-12	1	5	Art I		
Art 2 Sculpture	3108	9-12	1	5	Art I		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Art 3 Digital Art and Media	3117	10-12	1	5	Art II		
Art 4 Drawing	3121	10-12	1	5.5	Art III		
Art 4 Painting	3122	10-12	1	5.5	Art III		
Art 4 Ceramics	3124	10-12	1	5.5	Art III		
Art 4 Photography	3127	10-12	1	5.5	Art III		
Art 4 Sculpture	3125	10-12	1	5.5	Art III		
Art 4 Digital Art and Media	3128	10-12	1	5.5	Art III		
Art 4 Advanced Placement 2 D Portfolio	3132	10-12	1	6	Art III		
Art 4 Advanced Placement 3 D Portfolio	3134	10-12	1	6	Art III		
Art 4 Advanced Placement Drawing Portfolio	3131	10-12	1	6	Art III		
IB Art Design SL/HL	3466, 3465	11-12	1	6			
Art History Advanced Placement	3136P	11-12	1	6	None		
Camerata Orch 1	3701	9-12	1	5			APP
Camerata Orch 2	3702	10-12	1	5			APP
Camerata Orch 3	3703	11-12	1	5			APP
Camerata Orch 4 (Ad)	3704	12	1	5.5			APP
Sinfonietta Orch 1	3708	9-12	1	5			APP
Sinfonietta Orch 2	3709	10-12	1	5			APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Concert Orchestra 1	3710	9-12	1	5			APP
Concert Orchestra 2	3711	10-12	1	5			APP
Concert Orchestra 3	3712	11-12	1	5			APP
Concert Orchestra 4 (Ad)	3713	12	1	5.5			APP
Chamber Orchestra 1	3720	9-12	1	5			APP
Chamber Orchestra 2	3721	10-12	1	5			APP
Chamber Orchestra 3	3722	11-12	1	5			APP
Chamber Orchestra 4 (Ad)	3723	12	1	5.5			APP
Philharmonic Orchestra 1	3725	9-12	1	5			APP
Philharmonic Orchestra 2	3726	10-12	1	5			APP
Philharmonic Orchestra 3	3727	11-12	1	5			APP
Philharmonic Orchestra 4 (Ad)	3728	12	1	5.5			APP
Symphony Orchestra 1	3730	9-12	1	5			APP
Symphony Orchestra 2	3731	10-12	1	5			APP
Symphony Orchestra 3	3732	11-12	1	5			APP
Symphony Orchestra 4 (Ad)	3733	12	1	5.5			APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Concert Orchestra 3	3712	11-12	1	5			APP
Concert Orchestra 4 (Ad)	3713	12	1	5.5			APP
Chamber Orchestra 1	3720	9-12	1	5			APP
Chamber Orchestra 2	3721	10-12	1	5			APP
Chamber Orchestra 3	3722	11-12	1	5			APP
Chamber Orchestra 4 (Ad)	3723	12	1	5.5			APP
Philharmonic Orchestra 1	3725	9-12	1	5			APP
Philharmonic Orchestra 2	3726	10-12	1	5			APP
Philharmonic Orchestra 3	3727	11-12	1	5			APP
Philharmonic Orchestra 4 (Ad)	3728	12	1	5.5			APP
Symphony Orchestra 1	3730	9-12	1	5			APP
Symphony Orchestra 2	3731	10-12	1	5			APP
Symphony Orchestra 3	3732	11-12	1	5			APP
Symphony Orchestra 4 (Ad)	3733	12	1	5.5			APP
Practicum Music Education	3812	11-12	1	5	Must be enrolled in band, choir or orchestra program		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Music Theory AP	3821	11-12	1	6			
Theatre Arts 1	3299	9-12	1	5			
Theatre Arts 2	3300	10-12	1	5	Theatre Arts 1		
Theatre Arts 3	3301	11-12	1	5	Theatre Arts 2		
Theatre Arts 4	3302	12	1	5.5	Theatre Arts 3		
Theatre Production 1	3307	9-12	1	5			
Theatre Production 2	3308	10-12	1	5	Theatre Production 1		
Theatre Production 3	3309	11-12	1	5	Theatre Production 2		
Theatre Production 4	3310	12	1	5.5	Theatre Production 3		
Tech Theatre 1	3303	9-12	1	5			
Tech Theatre 2	3304	10-12	1	5	Tech Theatre 1		
Tech Theatre 3	3305	11-12	1	5	Tech Theatre 2		
Tech Theatre 4	3306	12	1	5.5	Tech Theatre 3		
Tech Theatre (S) 1	3311	9-12		5			
Tech Theatre (S) 2	3312	10-12		5			
Stagecraft	3313	10-12	1	5			
Advanced Stagecraft	3314	11-12	1	5	Stagecraft		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Fine Arts Courses

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Theatre Management	3315	10-12	1	5			
Adv Theatre Management	3316	11-12	1	5	Theatre Management		
Principles of Dance I (PE & Non PE)	3900, 3900PE	9-12	1	5	None		
Principles of Dance II (PE & Non PE)	3901, 3901PE	10-12	1	5			
Principles of Dance III (PE & Non PE)	3902, 3902PE	10-12	1	5			
Principles of Dance IV (PE & Non PE)	3903, 3903PE	10-12	1	5.5			
Partners in Dance I (PE & Non PE)	3951, 3951PE	9-12	1	5	None		
Partners in Dance II (PE & Non PE)	3952, 3952PE	10-12	1	5	Dance I		
Partners in Dance III (PE & Non PE)	3953, 3953PE	10-12	1	5	Dance II		
Partners in Dance IV (PE & Non PE)	3954, 3954PE	10-12	1	5.5	Dance III		
Dance Crew I (PE & Non PE)	3915, 3915PE	9-12	1	5	None		APP
Dance Crew II (PE & Non PE)	3916, 3916PE	10-12	1	5	Crew I		APP
Dance Crew III (PE & Non PE)	3917, 3917PE	10-12	1	5	Crew II		APP
Dance Crew IV (PE & Non PE)	3918, 3918PE	10-12	1	5.5	Crew III		APP
Dance Company I (PE & Non PE)	3900C, 3900CPE	9-12	1	5	None		APP
Dance Company II (PE & Non PE)	3901C, 3901CPE	10-12	1	5	Company II		APP
Dance Company III (PE & Non PE)	3902C, 3902CPE	10-12	1	5	Company II		APP



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Dance Company IV (PE & Non PE)	3903C, 3903CP E	10-12	1	5.5	Company III		APP
Dance Team/Drill Team I (PE & Non PE)	3900T, 3900TP E	9-12	1	5	None		APP
Dance Team/Drill Team II (PE & Non PE)	3901T, 3901TP E	10-12	1	5	Team I		APP
Dance Team/Drill Team III (PE & Non PE)	3902T, 3902TP E	10-12	1	5	Team II		APP
Dance Team/Drill Team IV (PE & Non PE)	3903T, 3903TP E	10-12	1	5.5	Team III		APP
Dance Wellness I	3941	9-12	1	5	None		
Dance Wellness II	3942	10-12	1	5	Wellness I		
Dance Wellness III	3943	10-12	1	5	Wellness II		
Dance Wellness IV	3944	10-12	1	5.5	Wellness III		
Dance Composition & Improv I	3933	9-12	1	5	None		APP
Dance Composition & Improv II	3934	10-12	1	5	Improv I		APP
Dance Composition & Improv III	3935	10-12	1	5	Improv II		APP
Dance Composition & Improv IV	3936	10-12	1	5.5	Improv III		APP
IB World Dance	3464	9-12	1	6	In IB Program		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Dance Appreciation - Dual Credit	3970DC	10-12	1	6			APP
Dance Company IV (PE & Non PE)	3903C, 3903CPE	10-12	1	5.5	Company III		APP
Dance Team/Drill Team I (PE & Non PE)	3900T, 3900TPE	9-12	1	5	None		APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

Accelerated Pathways

Course Fees

Index



