

ROBOTICS II

KISD #: 964218

PEIMS: 13037050

Grades: 11-12

1.0 Credit

Prerequisite:

Robotics I

Students will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, students will transfer academic skills to component designs in a project-based environment. Students will build prototypes and use software to test their designs.

Required Fee/Materials: Yes

PRACTICUM IN STEM

KISD #: 936918

PEIMS: 13037400

Grades: 12

2.0 Credits

Prerequisite:

Engineering Design & Presentation II

Designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum course is a paid or unpaid capstone experience for students participating in a coherent sequence of career and technical education courses in the STEM Career Cluster.

Required Fee/Materials: Yes

Advanced Grade Points: Yes

Industry Certification: Certified SolidWorks Associate - Academic

Optional Certification: Autodesk AutoCAD, Autodesk Inventor, Autodesk Fusion 360