EAGLE MOUNTAIN SAGINAW ISD
Curriculum and Instruction

Introduction to Robotics Parent Guide

This course exposes students to some of the major concepts and technologies that they will encounter as they investigate engineering, robotic, and high-tech careers. Students will employ science, technology, engineering, and mathematical concepts in the solution of real-world challenging situations. VEX EDR and multiple coding styles and languages will be utilized in this course.

1st 6 Weeks: Introduction to Robotics Speedbot Build Torque, Levers, and Gears Clawbot – Center of Gravity Notebooking and Schmatics	**4th 6 Weeks:** Physics Concepts Demonstration Design Specification Engineering Notebooks & CAD
2nd 6 Weeks: Engineering Notebooks & Schematics Coding Autonomous Circuits	**5th 6 Weeks:** Engineering Notebooks & CAD VEX build Material Analysis Sensors & Autonomy
3rd 6 Weeks: Sensors - Vex Speed, Velocity, Acceleration & Vectors	**6th 6 Weeks:** Drivetrains & Gearboxes Robot Challenges Engineering Notebook and Inventories

Questions? Please contact your course science teacher.

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