

ENGINEERING TECH 1

Course Description

A foundational engineering design course that introduces basic problem-solving and documentation skills. Various aspects of engineering will be explored along with technology's environmental, societal, political, and economic impacts on our world. By utilizing problem-solving skills, students will develop essential abilities and attitudes that will in turn expand their occupational opportunities in the world of engineering.

Strands

1. Students will follow safety practices.
2. Students will develop an engineering mindset.
3. Students will apply the elements of an engineering design process to create a product or system.
4. Students will develop an understanding of the cultural, environmental, economic, and political effects of engineering, and the impacts of technology throughout history.
5. Students will apply engineering fundamentals.
6. Students will investigate future training opportunities and careers in engineering.

