

EXPLORING TECHNOLOGY 1

Course Description

Exploring Technology is a comprehensive action-based course that introduces students to technology and its impact on society. Students will develop problem solving skills, improve awareness for college and career readiness (CCR) and build understanding of the relationship doing science, technology, engineering, and math (STEM). Emphasis is placed on broad exploration and cooperative activities rather than individual skill development and projects. Students will explore engineering and at least three of the following seven technology areas: 1) agriculture and biotechnology, 2) construction, 3) energy and transportation, 4) information and communication, 5) manufacturing, 6) medical, and 7) transportation.

Strands

- Students will follow safety practices.
- Students will develop an understanding of the characteristics and scope of technology, the core concepts of technology, and the relationships among and between technologies and other fields of study.
- Students will develop an understanding of the cultural, social, economic, and political effects of technology, the effects of technology on the environment, the role of society in the development of the use of technology, and the influence of technology on history.
- Students will participate in problem-based learning activities that explore engineering and a range of other technology areas.
- Students will be introduced to careers related to each selected area of technology.

