

Imagineering

Students will explore and develop an understanding of the scope and characteristics of technology and the core concepts of technology. They will recognize the relationships and the connections between technology and other fields of study while working to understand the attributes of design and apply the design process through a series of hands on activities. Students will develop skills in the areas of; assessing the impacts of products and systems, researching, problem solving and developing an attitude of safety, all while working collaboratively with others.

Living with Technology

Students will develop an understanding of the cultural, social, economic, environmental and political effects of technology; the role of society in the development and use of technology; the influence of technology on history. Students will utilize engineering design; the role of troubleshooting, research & development, invention and innovation, and experimentation in problem solving while learning to use and maintain technological systems.

Earth & Space Technology [Proposed Technology Systems]

Students will develop a general understanding and be able to use basic medical technologies, agricultural and related bio-technologies, energy and power technologies, information and communication technologies, transportation technologies, manufacturing technologies, and construction technologies. Students will develop this understand through the study of the human designed world. Additional understanding of the nature of technology, technology and society, design and the abilities for a technological world will be covered in the course.