

NEW Semester Course: TECHNOLOGY & ENGINEERING EDUCATION ELECTIVE (9th Gr)

Experimental Design and Development

Semester Course
Grade 9

Pre-Requisites: Teacher signatures from 8th grade Technology Education, Science, and Mathematics

This semester long course will introduce students to the process of designing and carrying out a scientific/engineering research project from developing a testable research question, to designing materials needed to complete the research, to collecting data and communicating results. Both the engineering design process and scientific method will be followed. Students will be completing ongoing research projects as well as designing and carrying out their own experiments to answer a question of interest to them. This course teaches students how to design and conduct experiments/testing for STEM (Science, Technology, Engineering and Math) projects by utilizing research, laboratory and scientific literacy skills gained through individual and group learning opportunities.