



Technology Education – Engineering 11

Engineering 11 is a design-challenge based course in which students design, draft and fabricate projects to solve problems. Engineering 11 students learn metalworking skills prior to designing, drafting and fabricating metal-based projects to solve problems. The following skill developing projects are typical: toolboxes, whistles, hammers, welded steel dice, slide whistles, coat racks, etc. The following design challenge projects are typical: towers, bridges, trebuchets, robotic arms, woodstoves, go-karts, etc. Students who have previously completed Technology Explorations 10 are expected to choose their own projects and to be motivated to work in a self-directed manner. As well as practical skills, students learn transferable life-skills such as problem solving, work ethic, perseverance, and collaboration. Safety is emphasized in the use of power tools.

There are no pre-requisites for this course.

Supplemental fees help to cover the cost of metal and other materials for take home projects.

Supplemental Fee \$40