

INDUSTRIAL TECHNOLOGY

M062010 Pre-Engineering 7 Grade 7

(Required - 1 Semester)

This introductory course is designed to be an exploratory learning experience. Students will gain a wide variety of skills and knowledge dealing with industrial technology, (engineering, drafting, electricity, wood production, as well as technical science, math and reading). Students will design, plan and fabricate multiple projects while being introduced to many different aspects of industrial technology. Students will have the opportunity to work in groups as well as individually, to complete class required projects.

M063011 Pre-Engineering-Design & Modeling Grade 8

(Elective - Semester 1)

In this course, students will build on their understanding of the design and modeling process. They will use a combination of Technical Drawing, Google Sketch-Up and 3D Printing to bring these designs and models to life. The students will also apply STEM (Science, Technology, Engineering and Mathematics) to design, prototype, construct and test Alpha 1 rockets and mouse trap cars throughout the semester.

M064012 Pre-Engineering-Prototype Fabrication Grade 8

(Elective - Semester 2)

In this course, students will build on their understanding of the design and modeling process. They will use a combination of Technical Drawing, Google Sketch-Up and 3D Printing to bring these designs and models to life. The students will also apply STEM (Science, Technology, Engineering and Mathematics) to design, prototype, construct and test Alpha 1 rockets and mousetrap cars throughout the semester.