



# Priority Standards

## Engineering (STEM) Career Cluster Standards – Grades 9-12

The table below identifies the cluster standards specific to the Engineering (STEM) Career Cluster – the collection of Engineering and Applied Mathematics Pathway courses. These are the skills students are expected to acquire as they complete courses in this pathway.

Priority Standards	Description
ST 1	Apply engineering skills in a project that requires project management, process control and quality assurance.
ST 2	Use technology to acquire, manipulate, analyze and report data.
ST 3	Describe and follow safety, health and environmental standards related to science, technology, engineering and mathematics (STEM) workplaces.
ST 4	Understand the nature and scope of the Science, Technology, Engineering & Mathematics Career Cluster and the role of STEM in society and the economy.
ST 5	Demonstrate an understanding of the breadth of career opportunities and means to those opportunities in each of the Science, Technology, Engineering & Mathematics Career Pathways.
ST 6	Demonstrate technical skills needed in a chosen STEM field.
ST-ET 1	Use STEM concepts and processes to solve problems involving design and/or production.
ST-ET 2	Display and communicate STEM information.
ST-ET 3	Apply processes and concepts for the use of technological tools in STEM.
ST-ET 4	Apply the knowledge learned in the study of STEM to provide solutions to human and societal problems in an ethical and legal manner.
ST-ET 5	Apply the elements of the design process.
ST-ET 6	Apply the knowledge learned in STEM to solve problems.