

Building Strong Mines

Ontario	
Grade 5	
Strand D: Structures and Mechanisms	
<u>Specific Expectations:</u>	<p>D2.1 identify internal forces acting on a structure, and describe their effects on the structure</p> <p>D2.3 describe forces resulting from natural phenomena that can have severe consequences for human-built structures, and identify structural features and materials that can allow such structures to withstand these forces</p>
Strand A: STEM Skills and Connections	
<u>Specific Expectations:</u>	A3.1 describe practical applications of science and technology concepts in various occupations, including skilled trades, and how these applications address real-world problems
Grade 7	
Strand D: Form, Function, and Design of Structures	
<u>Specific Expectations:</u>	<p>D2.2 describe ways in which the centre of gravity of a structure affects the structure's stability</p> <p>D2.5 describe factors that can cause a structure to fail</p> <p>D2.7 describe methods engineers and other professionals use to assess, improve, and maintain the safety of structures</p>
Strand A: STEM Skills and Connections	
<u>Specific Expectations:</u>	A3.1 describe practical applications of science and technology concepts in various occupations, including skilled trades, and how these applications address real-world problems