

Building Strong Mines

Quebec	
Cycle Three (Elementary)	
The Material World	
<u>Competencies:</u>	<p>Competency 1: To propose explanations for or solutions to scientific or technological problems.</p> <ul style="list-style-type: none"> • Use of an approach geared to the nature of the problem or set of problems <p>Competency 2: To make the most of scientific and technological tools, objects and procedures.</p> <ul style="list-style-type: none"> • Design and making of instruments, tools or models
<u>Key Features:</u>	<p>Techniques and Instrumentation</p> <ul style="list-style-type: none"> • Design and manufacture of instruments, tools, machines, structures (e.g. bridges, towers), devices (e.g. water filtration device), models (e.g. glider) and simple circuits
Cycle One (Secondary I & II)	
The Technological World	
<u>Competencies:</u>	<p>Competency 1: Seeks answers or solutions to scientific or technological problems.</p> <ul style="list-style-type: none"> • Development of a suitable procedure for the situation
<u>Compulsory Concepts:</u>	<p>Engineering</p> <ul style="list-style-type: none"> • Design plan • Material • Equipment
Cycle Two (Secondary III)	
The Technological World	
<u>Competencies:</u>	<p>Competency 1: Seeks answers or solutions to scientific or technological problems.</p> <ul style="list-style-type: none"> • Development of a suitable plan of action for the situation • Appropriate implementation of the plan of action
<u>Compulsory Concepts:</u>	<p>Materials</p> <ul style="list-style-type: none"> • Constraints (tension,compression, torsion)