

Mighty Mining Machines

British Columbia & Yukon	
Grade 5	
<u>Big Ideas:</u>	<ul style="list-style-type: none">• Machines are devices that transfer energy
<u>Curricular Competencies:</u>	<ul style="list-style-type: none">• Identify questions to answer or problems to solve through scientific inquiry• With support, plan appropriate investigations to answer their questions or solve problems they have identified• Use equipment and materials safely, identifying potential risks• Suggest improvements to their investigation methods• Co-operatively design projects• Generate and introduce new or refined ideas when problem solving
<u>Content:</u>	<ul style="list-style-type: none">• properties of simple machines (levers, wedge, inclined plane, wheel and axle, pulley, and screw) and their force effects (force effects include changing direction and multiplying force)• machines: constructed (combinations of simple machines form complex machines)