

## Green Mining

New Brunswick	
Grade 7	
Earth Surface Processes	
<u>General Curriculum Outcomes:</u>	<p>GCO 1 Students will develop the skills required for scientific and technological inquiries, for solving problems, for communicating scientific ideas and results, for working collaboratively, and for making informed decisions (scientific literacy).</p> <p>GCO 2 Students will develop an understanding of the nature of science and technology, of the relationships between science and technology, and of the social and environmental contexts of science and technology (STSE).</p>
<u>Specific Curriculum Outcomes:</u>	<p>SCO 1.1 Students will ask questions about relationships between and among observable variables to plan investigations (scientific inquiry and technological problem-solving) to address those questions.</p> <p>SCO 1.4 Students will work collaboratively on investigations to communicate conclusions supported by data</p> <p>SCO 2.1 Students will consider factors that support responsible application of scientific and technological knowledge and demonstrate an understanding of sustainable practices.</p>
<u>Core Ideas and Contexts:</u>	<ul style="list-style-type: none"> <li>• Technology for good: Climate modelling; mitigation and adaption simulations</li> <li>• Life and career pathways: Climate literate citizen, meteorologist, climatologist, climate scientist, and climate adaptation and mitigation, etc.</li> </ul>

<b>Grade 9</b>	
<b>Ecosystem Dynamics</b>	
<u>General Curriculum Outcomes:</u>	<p>GCO 1 Students will develop the skills required for scientific and technological inquiries, for solving problems, for communicating scientific ideas and results, for working collaboratively, and for making informed decisions (scientific literacy).</p> <p>GCO 2 Students will develop an understanding of the nature of science and technology, of the relationships between science and technology, and of the social and environmental contexts of science and technology (STSE).</p>
<u>Specific Curriculum Outcomes:</u>	<p>SCO 1.1 Students will ask questions about relationships between and among observable variables to plan investigations (scientific inquiry and technological problem-solving) to address those questions.</p> <p>SCO 1.4 Students will work collaboratively on investigations to communicate conclusions supported by data</p> <p>SCO 2.1 Students will consider factors that support responsible application of scientific and technological knowledge and demonstrate an understanding of sustainable practices.</p> <p>SCO 2.2 Students will identify a community-based challenge connected to at least two of sustainable development goals; 3, 13, 14 and 15, then apply an iterative process to design a solution</p>
<u>Core Ideas and Contexts:</u>	<ul style="list-style-type: none"> <li>• Earth and Human Activity <ul style="list-style-type: none"> <li>- Human impacts on Earth systems</li> <li>- Natural resources: geographic distribution, availability, extraction and use</li> </ul> </li> <li>• Conservation and Stewardship <ul style="list-style-type: none"> <li>- Change in environments e.g., biodiversity loss, invasive species</li> <li>- Risks and benefits of a scientific or technological development</li> </ul> </li> </ul>