Green Mining

Newfoundland & Labrador	
Grade 4	
Unit i: Integrated Skills	
General Curriculum Outcomes:	GCO 2 (Skills): Students will develop the skills required for scientific and technological inquiry, for solving problems, for communicating scientific ideas and results, for working collaboratively, and for making informed decisions.
Specific Curriculum Outcomes:	1.0 propose questions to investigate and practical problems to solve 4.0 identify various methods for finding answers to questions and solutions to problems, and select one that is appropriate 5.0 devise procedures to carry out a fair test and to solve a practical problem 11.0 make observations and collect information that is relevant to the question or problem 13.0 identify and use a variety of sources and technologies to gather relevant information 18.0 draw a conclusion that answers an initial question 21.0 identify new questions or problems that arise from what was learned 22.0 communicate questions, ideas, and intentions, and listen to others while conducting investigations 24.0 work with group members to evaluate processes used in solving a problem

Unit 4: Habitats and Communities	
General Curriculum Outcomes:	GCO 1 (STSE): 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. GCO 3 (Knowledge): Students will construct knowledge and understandings of concepts in life science, physical science, and Earth and space science, and apply these understandings to interpret, integrate, and extend their knowledge.
Specific Curriculum Outcomes:	30.0 demonstrate processes for investigating scientific questions and solving technological problems 34.0 describe examples of modern technologies that did not exist in the past 35.0 identify examples of scientific questions and technological problems that are currently being studied 43.0 describe instances where scientific ideas and discoveries have led to new inventions and applications 69.0 predict how reduction or removal of a plant or animal population affects the rest of the community

Grade 10	
Unit 4: Sustainability of Ecosystems	
General Curriculum Outcomes:	GCO 1 (STSE): 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. GCO 2 (Skills): Students will develop the skills required for scientific and technological inquiry, for solving problems, for communicating scientific ideas and results, for working collaboratively, and for making informed decisions. GCO 3 (Knowledge): Students will construct knowledge and understandings of concepts in life science, physical science, and Earth and space science, and apply these understandings to interpret, integrate, and extend their knowledge
Specific Curriculum Outcomes:	6.0 evaluate and select appropriate instruments for collecting evidence and appropriate processes for problem solving, inquiring, and decision making 13.0 select and integrate information from various print and electronic sources or from several parts of the same source 25.0 communicate questions, ideas and intentions, and receive, interpret, understand, and respond to the ideas of others 27.0 identify multiple perspectives that influence a science related decision or issue 71.0 analyze the impact of external factors on an ecosystem 72.0 propose a course of action on social issues related to science and technology, taking into account human and environmental needs 78.0 compare the risks and benefits to society and the environment of applying scientific knowledge or introducing a technology