

Green Mining

Ontario	
Grade 4	
Strand B: Life Systems	
<u>Specific Expectations:</u>	B1.1 assess positive and negative impacts of human activities on habitats and communities, while taking different perspectives into account
Strand A: STEM Skills and Connections	
<u>Specific Expectations:</u>	<p>A3.1 describe practical applications of science and technology concepts in various occupations, including skilled trades, and how these applications address real-world problems</p> <p>A3.2 investigate how science and technology can be used with other subject areas to address real-world problems</p>
Grade 6	
Strand B: Life Systems	
<u>Specific Expectations:</u>	B1.2 analyse a local issue related to biodiversity while considering different perspectives; plan a course of action in response to the issue; and act on their plan
Strand A: STEM Skills and Connections	
<u>Specific Expectations:</u>	<p>A3.1 describe practical applications of science and technology concepts in various occupations, including skilled trades, and how these applications address real-world problems</p> <p>A3.2 investigate how science and technology can be used with other subject areas to address real-world problems</p>
Grade 7	
Strand B: Life Systems	
<u>Specific Expectations:</u>	<p>B1.1 assess the impact of various technologies on the environment</p> <p>B1.2 assess the effectiveness of various ways of mitigating the negative and enhancing the positive impact of human activities on the environment</p>
Strand A: STEM Skills and Connections	
<u>Specific Expectations:</u>	<p>A3.1 describe practical applications of science and technology concepts in various occupations, including skilled trades, and how these applications address real-world problems</p> <p>A3.2 investigate how science and technology can be used with other subject areas to address real-world problems</p>

Grade 9	
Strand B: Biology	
<u>Specific Expectations:</u>	<p>B2.4 investigate factors and processes, including biodiversity, air and water quality, soil health, and succession, and explain how they contribute to ecosystem sustainability</p> <p>B2.5 explain the effects of various human activities on the dynamic equilibrium of ecosystems</p>
Strand A: STEM Skills, Careers and Connections	
<u>Specific Expectations:</u>	<p>A2.2 describe how scientific innovations and emerging technologies, including artificial intelligence systems, impact society and careers</p> <p>A2.4 apply scientific literacy skills when investigating social and environmental issues that have personal, local, and/or global impacts</p>
Grade 10 Applied	
Strand A: Scientific Investigation Skills and Career Exploration	
<u>Specific Expectations:</u>	<p>A2.1 identify and describe a variety of careers related to the fields of science under study (e.g., astrophysicist, geophysicist, conservation officer, park warden, fire protection engineer, hydrologist, electrician) and the education and training necessary for these careers</p>
Grade 10 Academic	
Strand A: Scientific Investigation Skills and Career Exploration	
<u>Specific Expectations:</u>	<p>A2.1 identify and describe a variety of careers related to the fields of science under study (e.g., meteorologist, medical illustrator, geochemist, optical physicist) and the education and training necessary for these careers</p>