

CURRICULUM ALIGNMENT – Digging Deeper: Uranium Mining

Newfoundland and Labrador

Grade	Course Name and Number	Unit	Specific Outcome
12	Earth Systems 3209	Unit 3: The Geosphere	Specific Curriculum Outcome 330-10: Describe the processes and technologies involved in developing an Earth resource, from exploration to extraction to refining.
12	Earth Systems 3209	Unit 3: The Geosphere	Specific Curriculum Outcome 213-5: Compile and organize data, using appropriate formats and data treatments to facilitate interpretation of the data.
12	Earth Systems 3209	Unit 3: The Geosphere	Specific Curriculum Outcome 213-8: Select and use apparatus and materials safely.
12	Environmental Science 3205	Unit 3: Land Use and the Environment	Specific Curriculum Outcome 3.36: Identify different mineral exploration methods, including: (i) satellite imaging; (ii) magnetometers; (iii) core drilling; and (iv) ground exploration (grab samples, panning, geochemical).
12	Environmental Science 3205	Unit 3: Land Use and the Environment	Specific Curriculum Outcome 3.38: Distinguish between above ground and underground mining.
12	Environmental Science 3205	Unit 3: Land Use and the Environment	Specific Curriculum Outcome 3.39: Identify impacts of open pit mining, including: (i) disturbance of topography/viewscape; (ii) loss of habitat; (iii) pollution (noise, dust, water); and (iv) erosion.
12	Environmental Science 3205	Unit 3: Land Use and the Environment	Specific Curriculum Outcome 3.41: Identify impacts of underground mining, including: (i) ground subsidence; (ii) human health issues; (iii) disturbance of topography/viewscape; (iv) loss of habitat; (v) pollution (noise, dust, water); and (vi) erosion.