

CURRICULUM ALIGNMENT – Digging Deeper: Uranium Mining

Ontario

Grade	Course Name and Number	Strand	Expectations
12	Earth and Space Science, Grade 12 (SES4U)	A. Scientific Investigation Skills and Career Development	Overall Expectation A1: Demonstrate scientific investigation skills (related to both inquiry and research) in the four areas of skills (initiating and planning, performing and recording, analyzing and interpreting, and communicating).
12	Earth and Space Science, Grade 12 (SES4U)	A. Scientific Investigation Skills and Career Development	Specific Expectation A1.2: Select appropriate instruments (e.g. hand lens, spectrographs, rock hammers) and materials (e.g. star charts, geological maps, mineral identification kits), and identify appropriate methods, techniques, and procedures for each inquiry.
12	Earth and Space Science, Grade 12 (SES4U)	A. Scientific Investigation Skills and Career Development	Specific Expectation A1.5: Conduct inquiries, controlling relevant variables, and adapting or extending procedures as required, and using appropriate materials and equipment safely, accurately and effectively, to collect observations and data.
12	Earth and Space Science, Grade 12 (SES4U)	A. Scientific Investigation Skills and Career Development	Specific Expectation A1.6: Compile accurate observations and data from laboratory and other sources (e.g. field work), and organize and record the data, using appropriate formats, including tables, flow charts, graphs, and/or diagrams.
12	Earth and Space Science, Grade 12 (SES4U)	A. Scientific Investigation Skills and Career Development	Specific Expectation A1.11: Communicate ideas, plans, procedures, results, and conclusions orally, in writing, and/or in electronic presentations, using appropriate language and a variety of formats (e.g. data tables, laboratory reports, presentations, debates, simulations, models).
12	Earth and Space Science, Grade 12 (SES4U)	E. Earth Materials	Overall Expectation E1: Analyze technologies used to explore for and extract Earth materials and assess the economic and environmental impact of the exploitation of such materials.
12	Earth and Space Science, Grade 12 (SES4U)	E. Earth Materials	Specific Expectation E1.1: Assess the direct and indirect impact on local, provincial/regional, or national economies of the exploration for and extraction and refinement/processing of Earth materials (e.g. gold, uranium, sand, gravel, dimension stone, fossil fuels).

12	Earth and Space Science, Grade 12 (SES4U)	E. Earth Materials	Specific Expectation E1.2: Analyze technologies and techniques used to explore for and extract natural resources and assess their actual or potential environmental repercussions.
12	Earth and Space Science, Grade 12 (SES4U)	E. Earth Materials	Specific Expectation E2.1: Use appropriate terminology related to Earth materials.