

# CURRICULUM ALIGNMENT – Safe and Secure: Nuclear Waste Storage

## Ontario

Grade	Course Name and Number	Strand	Expectations
9	Geography of Canada, Grade 9, Academic (CGC1D)	Geographic Foundations: Space and Systems	<b>Specific Expectation:</b> Explain the geographical requirements that determine the location of businesses, industries and transportation systems.
9	Geography of Canada, Grade 9, Academic (CGC1D)	Geographic Foundations: Space and Systems	<b>Specific Expectation:</b> Predict future locations of businesses, industries and transportation systems in Canada.
9	Geography of Canada, Grade 9, Academic (CGC1D)	Understanding and Managing Change	<b>Specific Expectation:</b> Analyze different perspectives on a geographic issue (e.g. clear-cutting, waste disposal, urban sprawl) and present arguments supporting a point of view.
9	Geography of Canada, Grade 9, Academic (CGC1D)	Methods of Geographic Inquiry and Communication	<b>Specific Expectation:</b> Gather geographic information from primary sources (e.g. field research, surveys, interviews) and secondary sources (e.g. reference books, mainstream and alternative media, CD-ROMs, the Internet) to research a geographic issue.
9	Geography of Canada, Grade 9, Academic (CGC1D)	Methods of Geographic Inquiry and Communication	<b>Specific Expectation:</b> Provide appropriate and sufficient geographic evidence and well-reasoned arguments, to support opinions and conclusions.
9	Geography of Canada, Grade 9, Academic (CGC1D)	Methods of Geographic Inquiry and Communication	<b>Specific Expectation:</b> Analyze a regional or national geographic issue on the basis of information gathered through research (e.g. designate a World Heritage Site; select the best site for a particular manufacturing industry).
9	Geography of Canada, Grade 9, Academic (CGC1D)	Methods of Geographic Inquiry and Communication	<b>Specific Expectation:</b> Use appropriate terminology (e.g. location, place, region, pattern, urban, suburban, rural, wilderness) to communicate results of geographic inquiries.

9	Geography of Canada, Grade 9, Applied (CGC1P)	Understanding and Managing Change	<b>Specific Expectation:</b> Evaluate different perspectives on a geographic issue (e.g. clear-cutting, waste disposal, urban sprawl) and present arguments supporting a point of view.
9	Geography of Canada, Grade 9, Applied (CGC1P)	Methods of Geographic Inquiry and Communication	<b>Specific Expectation:</b> Gather geographic information from primary sources (e.g. field research, surveys, interviews) and secondary sources (e.g. reference books, mainstream and alternative media, CD-ROMs, the Internet) to research a geographic issue.
9	Geography of Canada, Grade 9, Applied (CGC1P)	Methods of Geographic Inquiry and Communication	<b>Specific Expectation:</b> Provide appropriate and sufficient geographic evidence and well-reasoned arguments to support opinions and conclusions.
9	Geography of Canada, Grade 9, Applied (CGC1P)	Methods of Geographic Inquiry and Communication	<b>Specific Expectation:</b> Communicate the results of geographic inquiries, for different audiences and purposes, using a variety of forms (e.g. reports, role plays, presentations, essays) and including geographic visual supports, both conventional (e.g. photographs, charts, graphs, models, organizers, diagrams, maps) and geotechnological (e.g. computer-generated maps and graphs, aerial photographs, satellite images).
9	Geography of Canada, Grade 9, Applied (CGC1P)	Understanding and Managing Change	<b>Specific Expectation:</b> Evaluate different perspectives on a geographic issue (e.g. clear-cutting, waste disposal, urban sprawl) and present arguments supporting a point of view.
11	Environmental Science, Grade 11 (SVN3M)	A. Scientific Investigation Skills and Career Development	<b>Overall Expectation A1:</b> Demonstrate scientific investigation skills (related to both inquiry and research) in the four areas of skills (initiating and planning, performing and recording, analysing and interpreting, and communicating).
11	Environmental Science, Grade 11 (SVN3M)	A. Scientific Investigation Skills and Career Development	<b>Specific Expectation A1.3:</b> Identify and locate a variety of print and electronic sources that enable them to address research topics fully and appropriately.
11	Environmental Science, Grade 11 (SVN3M)	A. Scientific Investigation Skills and Career Development	<b>Specific Expectation A1.7:</b> Select, organize, and record relevant information on research topics from a variety of appropriate sources, including electronic, print, and/or human sources, using suitable formats and an accepted form of academic documentation.
11	Environmental	A. Scientific Investigation Skills and	<b>Specific Expectation A1.10:</b> Draw conclusions based on inquiry results and research

	Science, Grade 11 (SVN3M)	Career Development	findings and justify their conclusions with reference to scientific knowledge.
11	Environmental Science, Grade 11 (SVN3M)	A. Scientific Investigation Skills and Career Development	<b>Specific Expectation A1.11:</b> 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).
11	Environmental Science, Grade 11 (SVN3M)	E. Reducing and Managing Waste	<b>Overall Expectation E1:</b> Analyze economic, political and environmental considerations affecting waste management strategies.
11	Environmental Science, Grade 11 (SVN3M)	E. Reducing and Managing Waste	<b>Overall Expectation E3:</b> Demonstrate an understanding of the nature and types of waste and strategies for its management.
11	Environmental Science, Grade 11 (SVN3M)	E. Reducing and Managing Waste	<b>Specific Expectation E1.2:</b> Evaluate the short- and long-term impact on the environment of a specific type of waste (e.g. waste products from animal farming; plastic shopping bags; tailings from mines).
11	Environmental Science, Grade 11 (SVN3M)	E. Reducing and Managing Waste	<b>Specific Expectation E3.1:</b> Describe different categories of waste (e.g. biodegradable, recyclable, toxic, organic, inorganic).
11	Environmental Science, Grade 11 (SVN3M)	E. Reducing and Managing Waste	<b>Specific Expectation E3.2:</b> Explain some current waste remediation practices used with substances or products that are not environmentally friendly (e.g. “Toxic Taxi” for pick-up of household hazardous waste; the recycling of plastic to make furniture and “lumber”).
11	Environmental Science, Grade 11 (SVN3M)	E. Reducing and Managing Waste	<b>Specific Expectation E3.5:</b> Explain how scientific knowledge and technological processes have been applied in the development of environmentally sound waste management strategies (e.g. accelerated waste aeration, bioremediation).
12	Earth and Space Science, Grade 12 (SES4U)	A. Scientific Investigation Skills and Career Development	<b>Overall Expectation A1:</b> Demonstrate scientific investigation skills (related to both inquiry and research) in the four areas of skills (initiating and planning, performing and recording, analysing and interpreting, and communicating).
12	Earth and Space Science, Grade 12 (SES4U)	A. Scientific Investigation Skills and Career Development	<b>Specific Expectation A1.3:</b> Identify and locate a variety of print and electronic sources that enable them to address research topics fully and appropriately.
12	Earth and Space	A. Scientific Investigation Skills and	<b>Specific Expectation A1.7:</b> Select, organize, and record relevant information on

	Science, Grade 12 (SES4U)	Career Development	research topics from a variety of appropriate sources, including electronic, print, and/or human sources, using suitable formats and an accepted form of academic documentation.
12	Earth and Space Science, Grade 12 (SES4U)	A. Scientific Investigation Skills and Career Development	<b>Specific Expectation A1.10:</b> Draw conclusions based on inquiry results and research findings and justify their conclusions with reference to scientific knowledge.
12	Earth and Space Science, Grade 12 (SES4U)	A. Scientific Investigation Skills and Career Development	<b>Specific Expectation A1.11:</b> 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)	D. Recording Earth's Geological History	<b>Specific Expectation D2.2:</b> Use a research process to investigate the geological history of an area in Ontario.
12	Earth and Space Science, Grade 12 (SES4U)	E. Earth Materials	<b>Specific Expectation E3.5:</b> Describe the role of Earth materials in the safe disposal of industrial and urban waste and toxic materials.