



Grade 7 Science Course Description

Grade 7 Science is a Pan-Canadian science course that aims to develop scientific literacy. Scientific literacy is an evolving combination of the science related attitudes, skills, and knowledge students need to develop inquiry, problem-solving, and decision-making abilities; to become lifelong learners; and to maintain a sense of wonder about the world around them. **Grade 7 Science is a core subject required for promotion to Grade 8.**

Grade 7 Science is composed of four units that contain core labs and core STSE sections (Science, Technology, Society, and the Environment). All schools are expected to complete these core areas and adhere to the sequence of units outlined below.

Unit 1: Interactions within Ecosystems

Core Lab 1: *Field Trip to the Schoolyard*

Core Lab 2: *Salty Seeds*

Core STSE 1: *2 cm Forest*

Unit 2: Heat

Core Lab 3: *The Plateau Problem*

Core Lab 4: *Absorb that Energy*

Core STSE 2: *Heat Pumps*

Unit 3: Mixtures and Solutions

Core Lab 5: *How Does Temperature Affect Solubility?*

Core Lab 6: *Separating Homogeneous Mixtures*

Core STSE 3: *Would you like salt on that? Improving winter driving conditions with Road Salt.*

Unit 4: Earth's Crust

Core Lab 7: *A Mineralogist's Mystery*

Core Lab 8: *Be a Soil Sleuth*

Core STSE 4: *Seeing the Big Picture.*

Assessment:

Assessment in this course is governed by the *Assessment and Evaluation Policy* of the Eastern School District. This policy is located at http://www.esdnl.ca/about/policies/esd/I_IL.pdf. The regulations are located at http://www.esdnl.ca/about/policies/esd/regulations/I_IL_1L.pdf.

Evaluation Plan for Grade 7 Science:

Cumulative Unit Tests	40%	
Quizzes	10%	<i>The Scientific Literacy Assessment is given with the Unit 4 test during the June exam period.</i>
Performance Assessment	30%	
Performance Assessment Project	10%	
Scientific Literacy Assessment	10%	