

ESCAPE PROJECTS



Science Curriculum Overview



STEM Skills and Connections				
STEM Investigation and Communication Skills Coding and Emerging Technologies Applications, Connections, and Contributions				
	Life Systems	Matter and Energy	Structures and Mechanisms	Earth and Space Systems
Grade 1	Needs and Characteristics of Living Things	Energy in our Lives	Everyday Materials, Objects, and Structure	Daily and Seasonal Changes
Grade 2	Growth and Changes in Animals	Properties of Liquids and Solids	Simple Machines and Movement	Air and Water in the Environment
Grade 3	Growth and Changes in Plants	Forces and Motion	Strong and Stable Structures	Soils in the Environment
Grade 4	Habitats and Communities	Light and Sound	Machines and their Mechanisms	Rocks, Minerals, and Geological Processes
Grade 5	Human Health and Body Systems	Properties of and Changes in Matter	Forces Acting on Structures	Conservation of Energy and Resources
Grade 6	Biodiversity	Electrical Phenomena, Energy, and Devices	Flight	Space
Grade 7	Interactions in the Environment	Pure Substances and Mixtures	Form, Function, and Design of Structures	Heat in the Environment
Grade 8	Cells	Fluids	Systems in Action	Water Systems
	Biology	Chemistry	Physics	Earth and Space Science
Grade 9 De-streamed	Sustainable Ecosystems and Climate Change	The Nature of Matter	Principles and Applications of Electricity	Space Exploration

Adapted from *The Ontario curriculum, grades 1-8: Science and technology*. Toronto: Ministry of Education and Training (2022) <https://assets-us-01.kc-usercontent.com/fbd574c4-da36-0066-a0c5-849ffb2de96e/a6136d61-3120-43f0-94a3-5859e0319382/The%20Ontario%20Curriculum%20Grades%201-8%20-%20Science%20and%20Technology%202022.pdf>