

ESCAPE PROJECTS



Science Curriculum Overview for Parents



| STEM Skills and Connections | | | | |
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| | 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>