

Ontario

Grade 4

- Science and Technology
 - o A. STEM Skills and Connections
 - A1.1 use a scientific research process and associated skills to conduct investigations
 - A1.2 use a scientific experimentation process and associated skills to conduct investigations
 - A1.3 use an engineering design process and associated skills to design, build, and test devices, models, structures, and/or systems
 - A1.5 communicate their findings, using science and technology vocabulary and formats that are appropriate for specific audiences and purposes
 - o A2. Coding and Emerging Technologies
 - A2.2 identify and describe impacts of coding and of emerging technologies on everyday life, including skilled trades
 - o A3. Applications, Connections, and Contributions
 - A3.1 describe practical applications of science and technology concepts in various occupations, including skilled trades, and how these applications address real-world problems
 - A3.2 investigate how science and technology can be used with other subject areas to address real-world problems
 - o C: Matter and Energy: Light and Sound
 - o C1. Relating Science and Technology to Our Changing World
 - C1.2 assess the impacts on the environment of light energy and sound energy produced by various technologies, while taking different perspectives into account
 - o C2. Exploring and Understanding Concepts
 - C2.6 describe how different objects and materials interact with light and sound energy
 - C2.8 identify sensory organs and devices that make use of the properties of light and sound
 - o D: Structures and Mechanisms: Machines and Their Mechanisms
 - o D1. Relating Science and Technology to Our Changing World
 - D1.1 assess the impacts of machines and their mechanisms on the daily lives of people in various communities
 - D1.2 assess and compare the environmental impacts of using different machines designed for similar purposes
 - o D2. Exploring and Understanding Concepts
 - D2.1 identify machines that are used in daily life, and describe their purposes

- Health and Physical Education
 - o Strand D: Healthy Living
 - o D1. demonstrate an understanding of factors that contribute to healthy development
 - D1.1 identify the key nutrients (e.g., fat, carbohydrates, protein, vitamins, minerals) provided by foods and beverages, and describe their importance for growth, mental and physical health, learning, and physical performance
 - o D2. demonstrate the ability to apply health knowledge and social-emotional learning skills to make reasoned decisions and take appropriate actions relating to their personal health and well-being
 - D2.1 identify personal eating habits through self-monitoring over time, and set a goal for developing healthier eating habits, on the basis of the recommendations and guidelines in Canada's Food Guides
 - D3.1 identify ways of promoting healthier eating habits in a variety of settings and situations

- Mathematics
 - o D: Data
 - o D1: Data Literacy
 - D1.1 describe the difference between qualitative and quantitative data, and describe situations where each would be used
 - o E2: Measurement
 - E2.2 use metric prefixes to describe the relative size of different metric units, and choose appropriate units and tools to measure length, mass, and capacity

- Language
 - o Reading
 - 1.2 identify a variety of purposes for reading and choose reading materials appropriate for those purposes
 - 1.3 identify a variety of reading comprehension strategies and use them appropriately before, during, and after reading to understand texts
 - o SucSeed instructions for both of these?

- Social Studies
 - o A3. Understanding Context: Characteristics of Early Societies

- A3.5 describe the importance of the environment for a few early societies, including at least one First Nation and one Inuit society, with a particular focus on how the local environment affected the ways in which people met their physical needs
- o B. People and Environments: Political and Physical Regions of Canada
 - B1.1 analyse some of the general ways in which the natural environment of regions in Canada has affected the development of industry
 - B1.3 describe some key actions taken by both industries and citizens to address the need for more sustainable use of land and resources
 - B2.2 gather and organize information and data from various sources to investigate issues and challenges associated with balancing human needs/wants and activities with environmental stewardship in one or more of the political and/or physical regions of Canada