

Updated Curriculum Connections

Our programs meet many learning objectives for students from pre-K through Grade 11. They profile how science and technology impact society and the environment and link to curriculae in history, the social sciences, and math in addition to science and technology. With our unique Canadian perspective, our programs offer students rich opportunities to explore, discover, and appreciate science and technology.

| K | Earth's Daily and Seasonal Cycles | Pushing and Pulling Forces | Exploring Objects and Materials | Liquids and Solids |
|-------|--|--|---|--|
| Grade | Structures and Mechanisms | Matter and Energy | Earth and Space Systems | |
| 1 | Material Objects and Everyday Structures Exploring Objects and Materials Structures and Shapes Curriculum Days | Energy in Our Lives Energy from the Sun, Wind, and Water Curriculum Days | Daily and Seasonal Changes Earth's Daily and Seasonal Cycles | |
| 2 | Movement Science Seesaw and Simple Machines | Properties of Liquids and Solids Liquids and Solids Curriculum Days Summer Fun Days | Air and Water in the Environment Energy from the Sun, Wind, and Water Liquids and Solids | |
| 3 | Strong and Stable Structures Structures and Shapes Curriculum Days Summer Fun Days | Forces Causing Movement Pushing and Pulling Forces Curriculum Days | Soils in the Environment | |
| 4 | Pulleys and Gears Pulleys and Gears: Wonderful Machines Curriculum Days Summer Fun Days | Light and Sound Looking at Light Sound Connexions Curriculum Days Summer Fun Days | Rocks and Minerals | |
| 5 | Forces Acting on Structures and Mechanisms Forces Acting on Structures Toying with Science and Technology Show Curriculum Days Summer Fun Days | Properties of and Changes in Matter Toying with Science and Technology Show Properties of and Changes in Matter Summer Fun Days Science Surprises | Conservation of Energy and Resources Introduction to Electricity Workshop The Many Faces of Energy Curriculum Days Summer Fun Days Science Surprises | |
| 6 | Electricity and Electrical Devices Introduction to Electricity Workshop The Many Faces of Energy Curriculum Days Science Surprises | Properties of Air and Principles of Flight | Space Toying with Science and Technology Show Probing the Skies Canadian Inventions and Innovations Space Exploration Workshop Curriculum Days Summer Fun Days | |
| 7 | Form and Function Forces Acting on Structures Toying with Science and Technology Show Canadian Inventions and Innovations Science and Engineering Olympics Summer Fun Days | Pure Substances and Mixtures Substances, Mixtures, and Heat Toying with Science and Technology Show Summer Fun Days | Heat in the Environment Substances, Mixtures, and Heat | |
| 8 | Systems in Action Toying with Science and Technology Show Canadian Inventions and Innovations | Fluids Toying with Science and Technology Show Amazing Fluids Science and Engineering Olympics | Water Systems Amazing Fluids | |
| Grade | Chemistry | Physics | Biology | Earth and Space Science |
| 9 | Criminal Science Investigation Science and Engineering Olympics | Electricity: Characteristics and Applications Science and Engineering Olympics | Biotechnology Days | Studying the Universe Canada in Space |
| 10 | Criminal Science Investigation Biotechnology Days Science and Engineering Olympics | Science and Engineering Olympics | Biotechnology Days | |