

SCIENCE CURRICULUM

GRADE 1

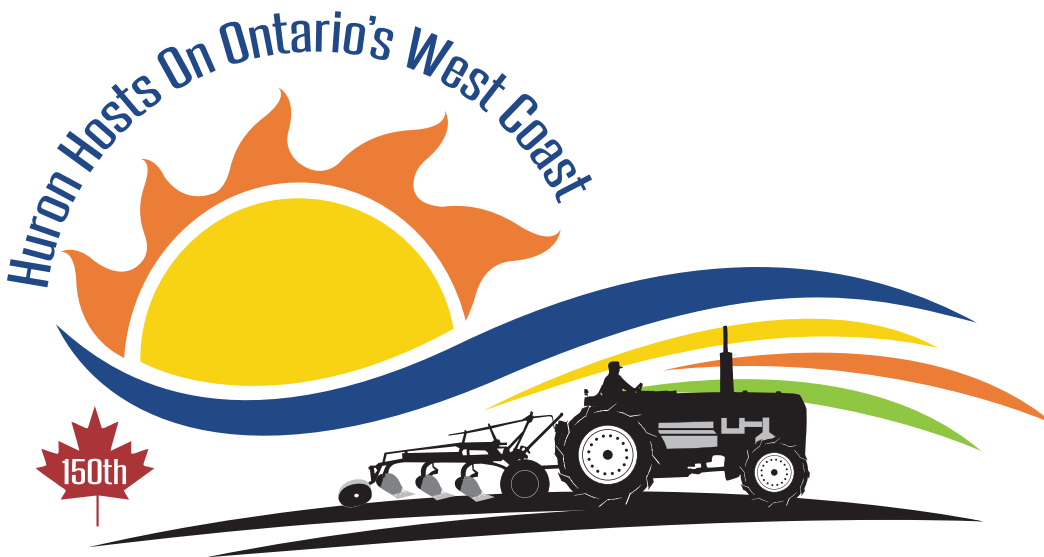
- Living things grow, take in food to create energy, make waste, and reproduce.
- Plants and animals, including people, are living things.
- Living things have basic needs (air, water, food, and shelter) that are met from the environment.
- Different kinds of living things behave in different ways.
- All living things are important and should be treated with care and respect.

GRADE 2

- Animals have distinct characteristics.
- There are similarities and differences among different kinds of animals.
- Humans need to protect animals and the places where they live.

GRADE 3

- Plants have distinct characteristics.
- There are similarities and differences among various types of plants.
- Plants are the primary source of food for humans.
- Humans need to protect plants and their habitats.
- Plants are important to the planet.



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**100th INTERNATIONAL
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GRADE 4

- Soil is made up of living and non-living things.
- The composition, characteristics, and condition of soil determine its capacity to sustain life.
- Soil is an essential source of life and nutrients for many living things.
- Living things, including humans, interact with soils and can cause positive or negative changes.

GRADE 5

- Energy sources are either renewable or non-renewable.
- Energy can neither be created nor destroyed, but it can be transformed.
- Choices about using energy and resources have both immediate and long-term impacts.
- Conservation is one way of reducing the impacts of using energy and resources.

(Visit Hydro One- Electricity Discover Centre)

GRADE 6

- Because all living things are connected, maintaining diversity is critical to the health of the planet.
- Humans make choices that can have an impact on biodiversity.
- Electrical energy can be transformed into other forms of energy.
- Other forms of energy can be transformed into electrical energy.
- Electrical energy plays a significant role in society, and its production has an impact on the environment.
- Society must find ways to minimize the impact of energy production on the environment.

(Visit Hydro One- Electricity Discover Centre)

GRADE 7

- Ecosystems are made up of biotic (living) and abiotic (non-living) elements, which depend on each other to survive.
- Ecosystems are in a constant state of change. The changes may be caused by nature or by human intervention.
- Human activities have the potential to alter the environment. Humans must be aware of these impacts and try to control them.

GRADE 8

- Water is crucial to life on Earth.
- Water systems influence climate and weather patterns.
- Water is an important resource that needs to be managed sustainably.

(Visit Water Topics presented by Maitland Conservation & Ausable-Bayfield Conservation Areas in Tented City)