

## **Click here Ontario Science and Technology Curriculum links**

### **Kindergarten**

#### **Overall Expectations**

- A. demonstrate an awareness of the natural and human-made environment through hands-on investigations, observation, questioning, and sharing of their findings;
- B. conduct simple investigations through free exploration, focused exploration, and guided activity, using inquiry skills (observing, questioning, planning an investigation, carrying out the investigation, and communicating findings);
- C. demonstrate an understanding of and care for the natural world;

### **Grade 1 UNDERSTANDING LIFE SYSTEMS**

#### **NEEDS AND CHARACTERISTICS OF LIVING THINGS**

#### **Overall Expectations**

- 1. assess the role of humans in maintaining a healthy environment;
- 2. investigate needs and characteristics of plants and animals, including humans;
- 3. demonstrate an understanding of the basic needs and characteristics of plants and animals, including humans.

### **Grade 2 UNDERSTANDING LIFE SYSTEMS**

#### **GROWTH AND CHANGES IN ANIMALS**

#### **Overall Expectations**

- 1. assess ways in which animals have an impact on society and the environment, and ways in which humans have an impact upon animals and the places where they live;
- 2. investigate similarities and differences in the characteristics of various animals;
- 3. demonstrate an understanding that animals grow and change and have distinct characteristics.

### **Grade 4 UNDERSTANDING LIFE SYSTEMS**

#### **HABITATS AND COMMUNITIES**

**Overall Expectations**

1. analyse the effects of human activities on habitats and communities;
2. investigate the interdependence of plants and animals within specific habitats and communities;
3. demonstrate an understanding of habitats and communities and the relationships among the plants and animals that live in them.

**Grade 6 UNDERSTANDING LIFE SYSTEMS  
BIODIVERSITY****Overall Expectations**

1. assess human impacts on biodiversity, and identify ways of preserving biodiversity;
2. investigate the characteristics of living things, and classify diverse organisms according to specific characteristics;
3. demonstrate an understanding of biodiversity, its contributions to the stability of natural systems, and its benefits to humans.

**Grade 7 UNDERSTANDING LIFE SYSTEMS  
INTERACTIONS IN THE ENVIRONMENT****Overall Expectations**

1. assess the impacts of human activities and technologies on the environment, and evaluate ways of controlling these impacts;
2. investigate interactions within the environment, and identify factors that affect the balance between different components of an ecosystem;
3. demonstrate an understanding of interactions between and among biotic and abiotic elements in the environment.