



Grade 2 Full-day Workshop: *Seasonal Change in Animals*

OVERVIEW & PROGRAM GOALS

This educational program has been designed with the intention of providing direct curriculum links to the Grade 2 Understanding Life Systems: Growth and Change in Animals strand of **The Ontario Science and Technology Curriculum**. This exciting full-day workshop provides students and teachers the opportunity to explore the curriculum expectations outside the classroom. The main objectives of this program are for students to:

- Identify physical animal adaptations in response to seasonal change (e.g. coat colour)
- Recognize and explore behavioural animal adaptations in response to seasonal change (e.g. migration, hibernation)

SPECIFIC EXPECTATIONS

Relating Science and Technology to Society and the Environment:

- 1.2. Identify positive and negative impacts that different kinds of human activity have on animals and where they live, form an opinion about one of them, and suggest ways in which the impact can be minimized or enhanced

Developing Investigation and Communication Skills:

- 2.2. Observe and compare the physical characteristics and the behavioural characteristics of a variety of animals, including insects, using student-generated questions and a variety of methods and resources
- 2.5. Investigate the ways in which a variety of animals adapt to their environment and/or to changes in their environment, using various methods
- 2.7. Use appropriate science and technology vocabulary, including life cycle, migration, adaptation, body coverings, and classify, in oral and written communication

Understanding Basic Concepts:

- 3.2. Describe an adaptation as a characteristic body part, shape, or behaviour that helps a plant or animal survive in its environment
- 3.3. Identify ways in which animals are helpful to, and ways in which they meet the needs of, living things, including humans, to explain why humans should protect animals and the places where they live

TENTATIVE AGENDA

10:00 am <i>Classroom</i>	Arrival and Introduction to the Topic <ul style="list-style-type: none">• Check-in with Guest Services• Meet Program Leader and Volunteer and travel to classroom• Introduce topic and vocabulary<ul style="list-style-type: none">○ Explore the variety of ways that humans prepare for changes in the seasons○ Investigate the changes in physical and behavioural characteristics that animals undergo to adapt to changes in their environment
10:30 am	Morning Snack (<i>optional</i>)
10:40 am <i>On-site Tour</i>	Seasonal Change Tour <ul style="list-style-type: none">• Explore a section of the Zoo (e.g. Tundra Trek or Americas Pavilion) and learn about the different ways animals prepare for changes in the seasons
12:00 pm	Lunch <ul style="list-style-type: none">• Opportunity for students to explore biofacts (e.g. skulls, furs, feathers, etc.)
12:25 pm <i>Classroom</i>	Review and/or Activity <ul style="list-style-type: none">• Review vocabulary introduced in the morning session and/or “Living through Winter” activity
12:40 pm <i>On-site Tour</i>	Seasonal Change Tour <ul style="list-style-type: none">• Visit a different section of the Zoo and continue to explore the different ways animals prepare for changes in the seasons
1:50 pm	Wrap-up and Departure <ul style="list-style-type: none">• Recap some of the physical characteristics or behaviours animals change in response to seasonal change

VOCABULARY

adaptation

physical characteristic

behavioural characteristic

migration

hibernation

dormancy

environment