



Up in the Air Grade 1, Grade 2

Length: One Hour and 15 minutes

Program Description

The Transcona Museum is home to thousands of butterflies, moths and insects collected by former Central School Principal, Mr. Quelch. The museum also has a wide variety of birds and eggs to explore up close! Come check out the creepy crawlies and birds of a feather at the museum and learn about their needs, their life cycles, the differences between species, and the wonder of flight.

Curriculum Connections

Science – Grade 1, Cluster 1: Characteristics and Needs of Living Things

Students will...

- 1-1-01 Use appropriate vocabulary related to their investigations of characteristics and the needs of living things
- 1-1-03 Identify and describe common characteristics of humans and other animals they have observed
- 1-1-06 Observe and identify similarities in life processes between themselves and other living things
- 1-1-07 Recognize that plants, animals, and humans, as living things, have particular needs
- 1-1-09 Compare ways in which humans and other animals meet their needs
- 1-1-10 Describe how humans and other living things depend on their environment to meet their needs.

Science – Grade 2 Cluster 1: Growth and Changes in Animals

Students will...

- 2-1-01 Use appropriate vocabulary related to their investigations of growth and changes in animals
Include: food groups, Canada's Food Guide to Healthy Eating, offspring, adult, behaviour, life cycle, stage, life processes, as well as terms relating to life cycles studied
- 2-1-09 Compare the appearance of young and mature animals of the same type
- 2-1-11 Identify and describe constant and changing characteristics of an animal as it grows and develops
- 2-1-12 Describe and classify a wide range of animals according to various characteristics and behaviours
- 2-1-14 Describe changes in the appearance and activity of various animals as they go through a complete life cycle
- 2-1-15 Compare the life cycles of animals that have similar life cycles and those that have different life cycles
Examples: bee and butterfly, gerbil and butterfly
- 2-1-16 Observe and describe an animal's life processes
Include: eating habits, movement, rest patterns, breathing



Timeline

1. Introduction – 5 minutes

Students are welcomed to the museum, and given a brief outline of the day's activities.

2. Quelch Collection – 20 minutes

Students will explore the concept of the butterfly life cycle by reading "The Very Hungry Caterpillar" by Eric Carle. They will then look at detailed photographs of butterflies and moths, learn about their physiology, their eating habits, their methods of defense, and the differences between moths and butterflies. Students will then get to look at real butterflies and moths from the Quelch collection, learning about the specific features of a few of the collections highlights.

3. Beetles – 10 minutes

Students will compare the physiology and life cycle of butterflies and moths to beetles, comparing and contrasting what makes them similar (and therefore share the classification of insect), and what makes them different. Students will have the opportunity to see beetles from around the world up close as they contemplate the differences between beetles and butterflies.

4. Birds – 15 minutes

Students will then compare and contrast the insects they have learned about so far with a totally different animal classification, birds. With flight as the common denominator between all the species discussed, students will explore how different animals have different bodies, different life cycles, and eat different foods. Again, students will have the chance to see an authentic bird and several different eggs up close, feel a bird's wing, and be able to put into context the differences and similarities between all the species discussed.

5. Craft – 10 minutes

Students will then have the opportunity to put what they've learned into action by making their own tissue paper butterfly to bring back to school.

Other Information:

Available at the Transcona Museum (max of 30 students) or we can come to your classroom.
To Book or for more information: call 204-222-0423 or email: info@transconamuseum.mb.ca