



curriculum links

Grade 2:

- Understanding Life Systems:
Growth and Changes in Animals



overview

In this activity, students will investigate how Eagles feed themselves. Students will also find out how aquatic pollutants affect Eagles and how they can help keep the Eagle's food source pollutant free.

grade 2 expectations

Science and Technology

Understanding Life Systems: Growth and Changes in Animals

Overall Expectations

- 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;
- investigate similarities and differences in the characteristics of various animals;
- demonstrate an understanding that animals grow and change and have distinct characteristics.

Specific Expectations

Relating Science and Technology to Society and the Environment

- identify positive and negative impacts that animals have on humans and the environment, form an opinion about one of them, and suggest ways in which the impact can be minimized or enhanced;
- 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.



Eagle Survivor



Developing Investigation and Communication Skills

- 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;
- investigate the life cycle of animals, using a variety of methods and resources;
- observe and compare changes in the appearance and activity of animals as they go through a complete life cycle;
- use scientific inquiry/research skills, and knowledge acquired from previous investigations, to investigate the basic needs, characteristics, behaviour, and adaptations of an animal of their choice;
- use appropriate science and technology vocabulary, including *life cycle*, *migration*, *adaptation*, *body coverings*, and *classify*, in oral and written communication.

Understanding Basic Concepts

- identify and describe major physical characteristics of different types of animals;
- 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.

key terms

Endangered Species Act - An act controlling factors such as pollutants, contaminants, and hunting which threaten the survival of species listed as endangered or threatened.

Pollution - Pollution is the release of harmful environmental contaminants, or the substances so released. Generally the process needs to result from human activity to be regarded as pollution

