



## *Division of Outdoor Experiences*

### **Ohio Wildlife**

**Grade Level: 2**

**Length of Program: 4 – ten-minute video segments (A, B, C and D)**

**Setting: Asynchronous Remote Learning**

#### **State Standards:**

2.LS.1: Living things cause changes on Earth.

2.LS.2: All organisms alive today result from their ancestors, some of which may be extinct. Not all kinds of organisms that lived in the past are represented by living organisms today.

#### **Theme:**

Ohio is host to some of the most amazing wildlife on the planet. Each species has special adaptations that allow them to succeed in their habitat.

#### **Objectives:**

*At the end of the program, student will be able to:*

- identify the components of a habitat that are needed by living things in order to survive
- identify at least three native animals that currently live in Ohio
- understand how animals are sorted and classified into groups

#### **Vocabulary:**

- Amphibians – animals with moist skin that lay their eggs in a damp or wet place; many spend their larval life in water and their adult life on land
- Animals – living things that cannot make their own food; they usually move about to obtain their food from outside sources (other animals and plants)
- Birds – animals with feathers that often fly and reproduce by laying eggs
- Habitat – the natural home or environment of an animal, plant, or other organism
- Insects – animals with six legs and three body parts
- Living thing – something that can grow and reproduce; needs food and water to live and responds to stimuli

- Mammals – animals with hair or fur; are warm blooded; have live babies and young drink milk from their mothers
- Reptiles – animals with dry scales that lay their eggs on land and have lungs to breathe air

**Materials needed:**

- Books on different groups of living things (reptiles, amphibians, insects, mammals, birds, fish, plants)
  - *Show ME! Reptiles*, by Megan Cooley Peterson
  - *Ohio Wildlife Encyclopedia*, by Scott Shupe
  - *Salamander, Frog, and Polliwog*, by Brian P. Cleary
  - *The Kid Guide to Birds of Ohio*, by Stan Tekiela
  - *National Geographic Kids, Ultimate Explorer Field Guide: Mammals*, by Patricia Daniels
- Blank paper and markers/crayons for students

**Pre-enrichment activity:** Read stories about animals in Northeast Ohio habitats. Have books available in reading area for the week.

**Program Outline:**

- **Video A: Introduction**
  - Introduce basic needs of plants/animals (Air, water, food, space, shelter).
  - Introduce different groups of animals that live in Ohio (mammals, reptiles, birds, amphibians)
  - **Enrichment Activity:** Each student will draw a native Ohio animal that they are familiar with. They will draw it in its habitat.
- **Video B: Mammals**
  - Vertebrate
  - Warm-blooded
  - Fur
  - Milk production
  - Live young
  - American Beaver changes habitat to fit its needs
  - **Enrichment Activity:** As a class discuss other Ohio mammals. What mammals have adapted to Ohio's changing landscape? (deer, squirrels, coyotes came due to the change).
- **Video C: Birds**
  - Vertebrate
  - Warm-blooded
  - Feathers
  - Hollow bones
  - Hard-shelled eggs
  - Eastern Screech Owl uses old holes or human made holes for shelter
  - **Enrichment Activity:** After virtual learning session, have each child pick an animal that lives in Northeast Ohio. Then have them create a diorama with a shoebox and drawings. How have humans positively helped birds in Ohio? (nest boxes, feeders, planting trees).

- **Video D: Reptiles and Amphibians**
  - Snake – Reptile
    - Vertebrate
    - Cold-blooded
    - Scaly skin
    - Claws
    - Leathery eggs on land
  - Salamander – Amphibian
    - Vertebrate
    - Cold-blooded
    - Wet/smooth skin
    - Eggs in/near water
  - **Enrichment Activity:** As a class make a chart with two columns, one marked reptile and one marked amphibian. Have the class name different animals that would go in each group (reptiles – snake, turtle, lizard; amphibians – frog, toad, salamander)
- **Conclusion**
  - Identify basic needs of animals: food, water, shelter, space, air
  - Differentiate mammals, birds, reptiles, amphibians
  - **Enrichment Activity:** Make a diorama featuring one animal from Ohio in their habitat.