



## Ohio Academic Standards Addressed By Zoo Program

### ANIMAL DEMONSTRATION—ANIMAL ADAPTATIONS

Program description:

Search for “zoo clues” about how plants and animals are able to survive in the wild. Students will learn about their own adaptations, too!

Ohio Science Standards addressed by this program, organized by grade band and then standard:

### GRADES K-2

**Standard:** Life Science

**Benchmark A:** Discover that there are living things, non-living things and pretend things, and describe the basic needs of living things (organisms).

**Indicators:**

Grade 1

1. Explore that organisms, including people, have basic needs which include air, water, food, living space and shelter.
4. Investigate that animals eat plants and/or other animals for food and may also use plants or other animals for shelter and nesting.

Grade 2

1. Explain that animals, including people, need air, water, food, living space and shelter; plants need air, water and nutrients (e.g., minerals), living space and light to survive.
5. Explain that food is a basic need of plants and animals (e.g., plants need sunlight to make food and to grow, animals eat plants and/or other animals for food, food chain) and is important because it is a source of energy (e.g., energy used to play, ride bicycles, read, etc.).

**Benchmark B:** Explain how organisms function and interact with their physical environment.

**Indicators:**

Kindergarten

5. Investigate observable features of plants and animals that help them live in different kinds of places.

Grade 1

3. Explore that humans and other animals have body parts that help to seek, find and take in food when they are hungry (e.g., sharp teeth, flat teeth, good nose and sharp vision).

Grade 2

3. Explain why organisms can survive only in environments that meet their needs (e.g., organisms that once lived on Earth have disappeared for different reasons such as natural forces or human-caused effects).
6. Investigate the different structures of plants and animals that help them live in different environments (e.g., lungs, gills, leaves and roots).

**Standard:** Scientific Ways of Knowing

**Benchmark B:** Recognize the importance of respect for all living things.

**Indicators:**

Kindergarten

3. Interact with living things and the environment in ways that promote respect.
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### **GRADE 3**

**Standard:** Life Science

**Benchmark B:** Analyze plant and animal structures and functions needed for survival and describe the flow of energy through a system that all organisms use to survive.

**Indicators:**

Grade 3

2. Relate animal structures to their specific survival functions (e.g., obtaining food, escaping or hiding from enemies).