

## TEACHER GUIDE

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### Hoots and Howls: Perkins Wildlife Center

#### DESCRIPTION

Join us as we explore Ohio's Native Animals. Learn about the animals that live in our great state and meet some of our Perkins Wildlife Center Animal Ambassadors. Learn the serious business of animal enrichment and investigate the native habitats found in your own backyard!

#### OBJECTIVES

- Understand that all animals need food, water, and shelter to live
- Discuss the different ways that Ohio animals have adapted to specific habitats
- Identify common species that may be observed in different habitats throughout the state

### OHIO'S LEARNING STANDARDS

#### PRE-KINDERGARTEN

##### Science: Inquiry – Science Inquiry and Application

- Make careful observations
- Engage in Simple Investigations
- Describe, compare, sort, classify and order
- Identify patterns and relationships of animals in their environment
- Make inferences, generalizations, and explanations based on evidence
- Share findings, ideas, and explanations through a variety of methods (pictures, words, dramatization)

#### PRE-KINDERGARTEN

##### Science: Life Science – Explorations of the Natural World

- With modeling and support, develop understanding of the relationship between humans and nature; recognizing the difference between helpful and harmful actions towards the natural environment.

#### PRE-KINDERGARTEN

##### Science: Life Science – Observation of Living Things

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- With modeling and support, identify and explore the relationship between living things and their environments
  - With modeling and support, demonstrate knowledge of body parts and bodily processes in humans and other animals
  - With modeling and support, recognize similarities and differences between people and other living things

#### **KINDERGARTEN**

##### **Science: Life Science – Physical and Behavioral Traits of Living Things**

- Living things are different from non-living things.
- Living things have physical traits and behaviors, which influence their survival.

#### **KINDERGARTEN**

##### **English: ELA – Speaking and Listening Standards**

- (SL.K.4) Describe familiar people, places, things, and events, and, with prompting and support, provide additional detail.

#### **KINDERGARTEN**

##### **Mathematics – Measurement and Data**

- (KM.MD.1) Identify and describe measurable attributes (length, weight, and height) of a single object using vocabulary terms such as long/short, heavy/light, or tall/short

## **BEFORE YOUR PROGRAM & HOW TO PREPARE FOR YOUR VISIT**

If this will be your first trip to the Museum for some of your students, you may want to discuss the following questions:

- What is a Museum? Why are we going to the Cleveland Museum of Natural History?
- How should we handle objects at the Museum?
- Use the vocabulary and additional resources provided in this Teacher Guide to preview or review program content with your class

## **VOCABULARY**

**adaptation** – a body part, body covering, or behavior that helps an animal survive in its habitat

**carnivore** – a meat-eater



**enrichment** – various activities that keep our brains healthy and active

**food**- material which provides energy for animals to survive

**habitat** – the natural home or environment of an animal, plant, or other organism

**herbivore** – a plant-eater

**native** – a plant or animal of indigenous origin. Where a plant or animal is naturally found

**predator**- an animal that hunts and eats other animals

**prey**- an animal that is hunted by another for food

**shelter**- something that an animal uses as its home to protect it from the elements

**skeleton** – the set of bones that some animals have inside their bodies

## EXTENSION ACTIVITIES

### Pre-Program Activity:

#### 1. Backyard Habitat Exploration

Have the students go outside and explore their backyard habitat. Ask them to list the plants and animals that they see. Do any of the animals have adaptations that help them live in their habitat?

### Post-Program Activity:

#### 1. Backyard Habitat Book Report

Once you return from your visit, have students research and write a short report about one of the animals they observed.

#### 2. Land Vs. Water Google Jamboard Sorting Activity

Provided by Nat Geo Educational Resources and modified by the CMNH Education department, this sorting activity will be provided via link in the chat at the end of the program. Students sort the animals on their own by land or water. Must be logged into a Google account.

[https://jamboard.google.com/d/1\\_UEt3nKnGnIdykqRbEINduD07bcEso8IIEWOrUaqGkM/viewer](https://jamboard.google.com/d/1_UEt3nKnGnIdykqRbEINduD07bcEso8IIEWOrUaqGkM/viewer)



## ONLINE RESOURCES FOR TEACHERS AND STUDENTS

Click the link below to find additional online resources for teachers and students. These websites are recommended by our Museum Educators and provide additional content information and some fun, interactive activities to share with your class.

CMNH Educators regularly review these links for quality. Web addresses often change so please notify us if any links have issues.

Cleveland Museum of Natural History <http://www.cmnh.org>

## EDUCATOR RESOURCE CENTER (ERC)



**Educator Resource Center**  
CLEVELAND MUSEUM OF NATURAL HISTORY  
Celebrating 30 years of supporting science education

The Educator Resource Center is dedicated to providing teachers with the classroom resources and professional development they need to create dynamic, enriching, and inquiry-based experiences for their students.

Contact the ERC at 216-231-2075 for information on individual or school membership.

Visit the Museum's ERC website for more information <https://www.cmnh.org/ERC>

### MATERIALS FOR LOAN

With close to 100 dioramas and over 130 thematic teaching kits, our lending library has the materials you need to make science come alive for your students.

If you're interested in additional resources be sure to check out the following ERC materials or browse ERC materials online at

<https://cmnherc.myturn.com/library/>

### EDUCATOR PROFESSIONAL DEVELOPMENT

Get connected to trending teaching methods, best practices in science education, and hot topics in current scientific research.

To learn more visit

<https://www.cmnh.org/learn/educator-resource-center/educator-workshops>

Email inquiries to [erc@cmnh.org](mailto:erc@cmnh.org).