



## **Clermont County Park District Outreach Programs**

### **Hibernate or Migrate?**

#### **Grade Level: Pre-K - 3**

Where do plants and animals go in the winter? How do they survive? Learn all the tricks our local wildlife use to brave the winters. Through hands-on activities and an animal talk, students gain an understanding of who stays, who plays and who leaves.

*Key concepts: making observations, weather, plant and animal adaptations, seasons*

### **Creatures of the Night**

#### **Grade Level: Pre-K- 3**

Learn who goes to bed and who stays up late. During this experiential program, participants will discover what senses and adaptations are important to our nocturnal wildlife and the advantages of staying up late!

Key concepts: traits, senses, adaptations, predator/prey relationship

### **Cultures of the Past and Present (Spring/Fall/Winter)**

#### **Grade Level: K – 4**

Learn how Native Americans lived in the 1700's before the Pioneers and Cincinnati was settled. Students will step back in time and learn how Native Americans worked, played and lived in the great forests of Southeast Ohio. Program includes interactive games, hike and activities that focus on the tribes of Southeast Ohio. \* Must have a suitable outdoor space for activities.

*Key concepts: culture, traditions, social studies*

## **Everybody Needs a Home**

### **Grade Level: K – 3**

This program will introduce participants to our local habitats and the animals that live within them. Meet our live animals and participate in fun activities and gain a better understanding of the world around us.

*Key concepts: Key concepts: Habitat, basic needs for survival, carrying capacity, habitat fragmentation, structures and behaviors that allow animals to meet basic needs, ecosystem, and adaptations*

## **Nature Senses**

### **Grade Level: K-3**

Compare and contrast your own senses with our local wildlife. Learn how animals perceive the world through activities and games.

*Key concepts: sensory and motor skill development, introduction to plants and animals*

## **Bees, please! Pollination (Spring/Fall)**

### **Grade Level: 1 - 6**

This program focuses on the pollination life cycle, pollinators and the roles they play in our own lives. Participants will recognize that all animals including humans depend on plants as a food source with hands-on activities. Explore these pollinators and plants in their natural setting during a mini field study outside.

*Key concepts: pollination life cycle, pollinators, basic insect structure, metamorphosis, adaptation*

## **Weather: Wild or Mild?**

### **Grade Level: K - 7**

Weather can be unpredictable at times, but learn how meteorologists can make predictions about the weather through our hands-on experiments! Through this hands-on program, participants will have a better understanding of weather systems and what causes them.

*Key concepts: Meteorology, water cycle, weather terminology, properties and states of water, natural disasters, human impact on weather*

## **Who's for Dinner?**

### **Grade Level: 3 - 6**

Students will explore the basic concepts of food chains and food webs through hands-on activities. Students will learn how energy cycles through Ohio's ecosystems and identify food chains in action during the outdoor portion. \*must have outdoor space available\*

*Key concepts: Food webs and chains, energy flow in ecosystems, recycling, decomposers, herbivores, carnivores, producers, consumers, photosynthesis, stability of system*

## **Predator vs. Prey**

### **Grade Level: 1 - 6**

Take a closer look at animals who call Clermont County home. Meet some live animals of Clermont County and learn how their adaptations help them survive in our local habitats. An interactive game will help participants recognize the importance of predator/prey relationships and how limiting factors affect wildlife populations.

*Key concepts: habitats, traits, carrying capacity, survival*

## **Earth Rocks**

### **Grade Level: 3—5/6 (with a focus on rocks and minerals)**

Through interactive studies on the rock cycle, glaciation, soils and land formation students will record and observe their findings as they become expert Junior Geologists.

*Key concepts: geology, rock cycle, rock ID, earth materials, erosion, land formation, fossils, minerals*

## **Bird Brains**

### **Grade Level: 4 – 9**

Identify and describe advantages of bird adaptations of birds during our animal talk. Participants will learn how to properly use binoculars to identify important field markings during the outdoor portion. Hands-on learning experiences will help participants evaluate the importance of adaptations to birds. Work together in groups to design their own imaginary bird based on the group's assigned habitat.

*Key concepts: adaptations, habitats, bird identification*

## **Brain Twister**

### **Grade Level: 4 - 8**

Just a few years ago, NASA discovered a new planet just like Earth and they want students to create a Lander that will survive the drop down to the planet's surface. Using limited government funds, students will buy their supplies and then build and test their Lander.

*Key Concepts: Teambuilding, budget planning, inquiry learning, STEM*

## **Wilderness Survival**

### **Grade Level: 4 - 12**

Compass? Check! Hiking boots? Check! Shelter? Check! Are you prepared for the wilderness? Students will put their skills to the test as they learn how to orienteer with a compass, build shelters, identify edible plants, and learn important first aid tips. Each element will include hands-on activities and challenges.

*Key concepts: Orienteering, compass reading, first-aid, safety, trip planning*

## **Claws, Paws and Jaws**

### **Grade Level: 5 – 9**

Discover how predators succeed at hunting their prey through hands-on examination of skulls, claws, talons and more. What survival strategies do our local prey animals use to escape? Students will work together in groups to identify skulls of local wildlife using a dichotomous key. The classification system will be introduced using engaging activities designed to help students understand how and why living things are classified.

*Key concepts: structural body parts, adaptations, habitats, ecosystems, sorting and classification of characteristics, inheritance and variation of traits, interactions with the environment*