



LAKE METROPARKS

Virtual Education Programs

NATURE, ENVIRONMENT & SCIENCE PROGRAMS

Adventure Trek

All grades



There are so many wonders out in nature! Explore what we find and discover the hidden treasures off the beaten path. Tracks, animal sign, plants, animals and so much more are there to find. Every trek is different with new things to find every day!

Art in Nature

All grades



How can we use simplicity to portray sounds and images that we find in nature? Students will learn differences in various bird calls and understand the elements of art. Let's create an art piece together as we virtually explore outside!

Park-wise Puppets Presents: Habitat This and That

Preschool & kindergarten



Discover what a habitat is and why animals need one. Help the puppet cast find the best home.

Wee Weatherwatchers

Preschool & kindergarten



Be weather wise by becoming aware of weather changes. Explore the sun, seasons, winds and clouds.

Seasonal Discoveries: Spring

Preschool to grade 5



Discover what is growing in the spring!

Feathers, Fur and Scales

Preschool to grade 10



What animals are covered with feathers? What animals are born with fur or scales? Meet several Wildlife Center residents face-to-face and discover where they live, their favorite foods, their hunting techniques and many more facts about the lives of Ohio's native wildlife.

Adopt-an-Animal

Grade 1 to 4



Have your class or school make a personal connection with one of The Wildlife Center's Animal Ambassadors. This is a great chance to involve students with participation in conservation.

Operation Worm Watch

Grades 1 to 4



What do earthworms have to do with our forests? Students will work to understand how earthworms are changing the forest environment and the human environment. Students will examine different earthworms up close to see what is living in our forests.

Fossil Hunters

Grades 1 to 4



Follow a paleontologist's expedition to discover evidence of living things that once inhabited the earth. Investigate how fossils are recovered and explore past environments and organisms that lived in them.

Measurement: Mass to Volume

Grades 3 to 4



Students learn how to use different scientific tools to identify and measure length, volume, mass and time. They explore and test hypotheses using graduated cylinders, beakers, trundle wheels and balances. Finally, the students discover how to find the volume of a human.



All virtual programs run for one hour and are a fee of \$50. Some portions are live and some are pre-recorded. All programs align to Ohio's Learning Standards.

Custom Programs

Don't see a program that fits your needs? Lake Metroparks can work with you to design a program. Please call 440-358-7275 to discuss possibilities. Note: some programs are seasonal and weather dependent.

KEY



Denotes SCIENCE content standards



Denotes MATH content standards



Denotes SOCIAL STUDIES content standards



Denotes PHYSICAL EDUCATION content standards



Denotes ART content standards



Program features a live FARM ANIMAL



Program features live OHIO WILDLIFE



STEM integrated



ADAPTED programs, designed to meet the needs of individuals with disabilities

STEAM: A Spider Named Charlotte

Grades 3 to 5



Through the help of Charlotte, learn about the amazing spider! Why do they look the way they do? Why do they move the way they do? Get up close to these amazing creatures and learn firsthand how spiders move! No need to be afraid, they are one cool bug!

Cleveland Soils

Grades 3 to 8



Students will observe rock layering, texture, and erosion as they "virtually" hike through Sharon Conglomerate ledges and explore ancient beach ridges. Soil testing activities will allow for investigation of soil properties and composition.

Cleveland Rocks

Grades 3 to 8



Virtually explore the rock ledges and discover signs of glaciation, erosion, and quarrying activities that shaped the area. Practice your geology skills with rock and mineral activities.

Interactions in Ecosystems

Grades 4 to 7

Students discover how organisms acquire energy to perform their roles in an ecosystem. Using these skills, students explore the microscopic world of pond water, understand how invasive species are affecting our local habitats and explore the role of producers, consumers and decomposers.

Decomposition

Grades 5 to 7

Organisms have developed their own natural balance as matter and energy are cycled within the environment promoting sustainability. Students will learn more about the various organisms that are involved with soil decomposition.

Forces & Motion

Grades 5 to 7

Students investigate Newton's laws of motion and apply them to hands-on experiments. They learn that forces cause changes in motion and that motion can be described by its speed and direction.

Astronomy

Grades 5, 7 and 9 to 12

Why do we see certain constellations in our night sky? Students will learn about the predictability of space. Explore our solar system by looking at the stars, moon, and planets. Students will get to take a virtual look at the night sky within the Lake Metroparks portable planetarium.

Snowshoe Climatology

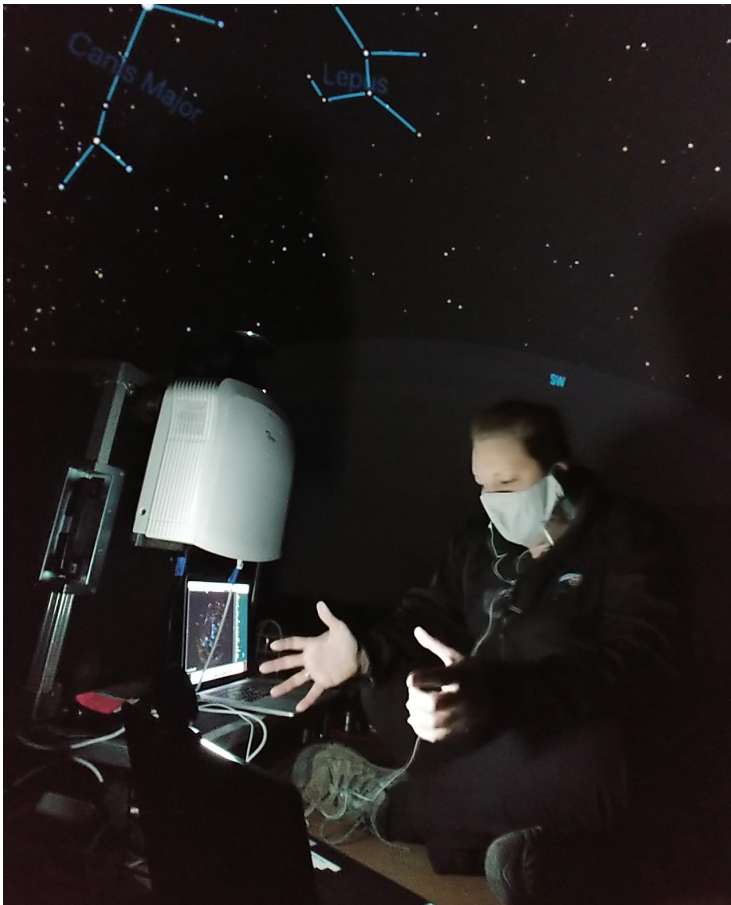
Grades 5, 7 and 9 to 12

We will study the science of snow and the weather patterns that produce it in such abundance in this area. Once we learn what makes it happen we will explore the woods on snowshoes and study how the snow has fallen. We will measure temperatures, determine wind directions, and examine snow layers.

Stream Study

Grades 7 to 12

What makes a stream healthy? Get an up-close look of the water, its inhabitants, and the life around a creek. Water quality testing, fish and insect identification and geology of the area are just some of the topics with this experience.



Astronomy virtual program being presented inside the StarLab

FARM-ORIENTED PROGRAMS

Discover Maple Syrup

All grades

Discover the history and technology of maple syrup and learn about the maple sugaring process. The discover maple syrup program can be adapted for any grade level.

Pizza Farm

All grades

Students discover that farmers grow pizza ingredients. The pizza farm program can be adapted for any grade level.

Springtime on the Farm

All grades

Students learn about springtime activities on the farm. The springtime on the Farm program can be adapted for any grade level.

Farm Animals Up Close

Preschool & kindergarten

Encounter farm animals to gain respect for how farmers raise and care for them.

Little Lambs & Little Sprouts

Preschool & kindergarten

Discover spring lambs and learn how farmers provide for the needs of young animals.

Little Red Hen

Preschool to grade 2

"The Little Red Hen", based on the classic tale of the same name, invites students to see how the farm provides the ingredients for bread. We will mix and knead these ingredients into honey wheat bread dough.

Farmyard Families

Kindergarten

Identify farm animal families and learn about animal care on the farm.

Farm Animals & Me

Grade 1

Examine the basic needs of farm animals and investigate how much animals eat every day and understand how horseshoes are made.

Animals & People

Grade 2

Second graders investigate the farm and discover how people and animals depend on each other for food and shelter.

Studies in Biodiversity

Grades 3

Learn about plant and animal traits in this program. Meet some spring lambs and see how offspring resemble their parents. Examine how genetics and the environment play a role in the lives of horses. Explore the world of corn and learn about its ancient ancestor teosinte.

Ice Cream

Grades 3 to 5

Explore how cows make milk and cream for ice cream. See the plants that provide our flavors and sugar for this sweet treat.



Interactions in Ecosystems virtual program