



Lake Erie Nature & Science Center

FIELD TRIP GUIDE

2023-2024 ACADEMIC YEAR

Lake Erie Nature & Science Center field trips engage students in hands-on learning while using our extensive collections and resources, including native wildlife, a state-of-the-art planetarium, interactive exhibits and access to the 100-acre Huntington Reservation parkland with its forest, field, stream and Lake Erie habitats.

PRICING AND SCHEDULING

Cost Per Program (*Max: 30 students)

30 minutes	\$100
60 minutes	\$125
90 minutes	\$150
120 minutes	\$175

Purchase order or payment arrangements must be made upon booking. Please email the Center at info@lensc.org or call 440-871-2900.

* Planetarium programs can accommodate up to **54 people total**.

PROGRAM OVERVIEWS

Each Program Overview features a field trip program description, vocabulary, suggested reading, pre-trip, post-trip and extension activities and Ohio Academic Content Standard alignments.

Visit www.lensc.org/field-trips to view the Program Overviews and fill out the Field Trip Inquiry Form.

LIFE SCIENCE

ANIMALS, ANIMALS

Pre-K and up | 30 or 60 minutes

Recommended Chaperones: 2 adults

This unique animal program provides hands-on, up-close encounters with Center animals. Animals include mammals, reptiles and birds of prey.

Content is tailored to the age level of participants and may vary according to availability of Center animals.

WILDLIFE OF OHIO

Pre-K and up | 60 minutes

Recommended Chaperones: 2 adults

Discover Ohio's native wildlife in an up-close encounter with our animal ambassadors. This includes a walk through the exhibit hall highlighting the many resident Ohio animals on display. *Please dress for the weather.*

Content is tailored to the age level of participants and may vary according to availability of Center animals.

NATURE HIKE

Pre-K and up | 60 minutes

Recommended Chaperones: 2 adults

What are the native plants and animals of Ohio's fields and forests? The outdoors is our classroom as we explore and discover the habitats of Huntington Reservation. This class provides a great introduction to the Ohio wildlife and native species science content standards. *Please dress for the weather.*

Not recommended December - February

OHIO'S LIVING FOREST

Grades K-5 | 90 minutes

Recommended Chaperones: 2-3 adults

This indoor and outdoor hands-on field trip highlights the role of trees and allows students to interact with some of our resident Ohio forest animals. We will hike the trails in the forest of Huntington Reservation to observe and investigate how native plants and animals survive and thrive. *Please dress for the weather.*

Not recommended December - February

HABITATS

Grades 2-5 | 90 minutes

Recommended Chaperones: 4-5 adults

This hands-on field trip examines how plants, animals, and non-living things interact within a habitat. Students explore at investigation stations then go out on a guided hike in Huntington Reservation to experience real world habitats. *Please dress for the weather.*

Not recommended December - February

ADAPTATIONS FOR SURVIVAL

Grades 2-4 | 60 minutes

Recommended Chaperones: 5 adults

In this hands-on field trip, students will investigate how animals in the wild survive. Students will observe the Center's animal ambassadors and natural artifacts and will participate in our investigation stations exploring camouflage, mimicry, and more.

WEB OF LIFE

Grades 4-6 | 90 minutes

Recommended Chaperones: 2 adults

In this program we will focus on the basic principles of ecology. Learn how living organisms depend on one another for survival and discuss how humans interact with the natural world. During the many hands-on activities, students will create food chains and discover how the resources of our planet are distributed.

OUR GREAT LAKE ERIE

Grades 4 and up | 120 minutes

Recommended Chaperones: 4 adults

Investigate Lake Erie both in the classroom and on a hike to the lake. Working in small teams we will do hands-on water quality testing at Lake Erie and in Porter Creek. Discover the complex food web that connects animals and humans to Lake Erie. *Please dress for the weather.*

Available in September, October, April or May

EARTH SCIENCE

WEATHER AND CLIMATE

Grades 1-6 | 90 minutes

Recommended Chaperones: 4 adults

In this hands-on field trip students will use scientific instruments to observe and record current weather conditions. Utilizing real data students will explore the difference between climate and weather. Grades 4 and 5 will also learn how climate change is impacting people, native plants, and animals. *Please dress for the weather.*

Not recommended December - January

POWER OF WATER

Grades 3-4 | 90 or 120 minutes

Recommended Chaperones: 6 adults

In this program students will get real world experience exploring how Earth's surface has been shaped by water. Students will get their hands wet using stream tables to investigate how erosion and deposition change landforms.

Only Available in January



BE AN EARTH ROVER

Grade 3 | 90 minutes

Recommended Chaperones: 5 adults

In this program students will get their hands dirty exploring the soil and rocks that make up our local Earth surface. Students explore at investigation stations then go out on a hike to conduct core sampling at various locations around Huntington Reservation. Please dress for the weather.

Available in September, October, April or May

GEOLOGY ROCKS!

Grades 5-7 | 90 or 120 minutes

Recommended Chaperones: 4 adults

In this hands on investigation students gain an understanding of the rock cycle and Earth's composition. Students will try their hand at rock and mineral identification with our extensive collection. We will also hike to explore the geological features of Huntington Reservation. Please dress for the weather.

Not recommended December - February

SPACE SCIENCE

STARS & STORIES

Grades Pre-K | 30 minutes

Recommended Chaperones: 2 adults

In this planetarium field trip students will blast off to the Sun to learn it is big, hot, and far away. Return to Earth and see how the sun lights up part of the Earth all the time. Land on the ground and watch the sun, moon, and stars travel from the east to the west in this active program. Once it is night, see the nighttime stars and hear some age appropriate constellation stories about shapes currently in the night sky!

LOOK UP!

Grades K-1 | 30 minutes

Recommended Chaperones: 2 adults

Model the daily motion of the sun and stars in this active planetarium program. Students will explore daily changes in the day sky and night sky as well as seasonal changes too. End your program with a brief discussion on moon phases and a look at the current night sky.

THE MOON

Grades K-2 | 60 minutes

Recommended Chaperones: 2 adults

This field trip option uses an interactive full dome movie about the moon which is enhanced by discussion and activities with a Center Astronomer. Students will learn to identify the face of the Moon, observe its daily apparent motion and get a brief description of Moon phases.

THE NIGHT SKY

Grades 1 and up | 30 or 60 minutes

Recommended Chaperones: 2 adults

Take a tour of the current night sky, focusing on the seasonal constellations, current moon phase, visible planets and more.



SOLAR SYSTEM EXPLORER

Grades 1 and up | 60 minutes

Recommended Chaperones: 2 adults

Take a guided trip through the solar system with the experts in our planetarium and explore the planets in detail. We will compare and contrast each object with Earth to discover Earth's unique qualities. By the end students will know all about the objects in our solar system and its place in the galaxy.

This field trip can be adapted for any grade level.

REASONS FOR THE SEASONS

Grades 5-7 | 60 minutes

Recommended Chaperones: 2 adults

Under the planetarium dome, students will explore the relationship between the positions of Earth and the Sun and their effect on Earth's seasons. Using computer models and live demonstrations, students will gain a better understanding of Earth's seasons and why they happen.

DANCE OF THE EARTH, MOON, AND SUN

Grades 7-8 | 60 minutes

Recommended Chaperones: 2 adults

In this field trip, hands-on activities and planetarium dome models will help your students experience moon phases and eclipses to understand the "dance" of the Earth, moon and sun like never before! A short discussion on tides is included.

PHYSICAL SCIENCE

MOTION AND MATERIALS

Grade 1 | 60 minutes

Recommended Chaperones: 6 adults

Students will use investigation stations to explore different kinds of movement. Zig zag, circular motion, back and forth and more are included in the motion challenges. Explore materials and their properties in the sorting challenge. Then test your knowledge of solids, liquids, and gasses.

FORCES & MOTION

Grade 2 | 60 minutes

Recommended Chaperones: 6 adults

Observe how magnetism, gravity, and wind change the path and position of objects. Students will conduct experiments at investigation stations to learn about how changing forces affects the motion of objects. Try your hand at building foil boats and powering them with wind. Experiment with dropping different objects in a controlled environment. End your program with some exciting demonstrations.

ENERGY CAUSES CHANGE

Grade 3 | 60 minutes

Recommended Chaperones: 6 adults

Using investigation stations explore thermal, electrical, and magnetic energy. Discover how different types of energy create changes in matter. Experiment with sound, magnets, motion and more.

LIGHT, HEAT, AND ELECTRICITY

Grade 4 | 60 minutes

Recommended Chaperones: 6 adults

In this hands-on field trip students will get to explore light, heat, and electricity. Build your own circuits, experiment with heat and ice, and see how light makes things move.

