



Lake Erie Nature & Science Center

FIELD TRIP GUIDE

2024-2025 ACADEMIC YEAR

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 may 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 to the live animal exhibits of the many Ohio animals that are on display. This program may go outside 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 surrounding habitats of Lake Erie Nature & Science Center. Each hike is a different experience on dirt and paved trails. We hike rain or shine. Accommodations can be made for paved trails only. Indoor activities provided for severe weather.

Please dress for the weather. Not recommended December-February.

OHIO'S LIVING FOREST

Grade 1 | 60 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 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

Grade 2 | 90 minutes

(45 min in class/ 45 min outdoors)

Recommended Chaperones: 2 adults

Students will meet the Center's animal ambassadors and learn how they interact with their habitats, then go on a guided hike in the Huntington Reservation to experience our local habitats.

Please dress for the weather. Not recommended December-February.

ADAPTATIONS FOR SURVIVAL

Grades 2-4 | 60 minutes indoors

Recommended Chaperones: 5 adults

In this hands-on field trip, students will investigate how animals in the wild survive. Students will interact with 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

Students will meet the Center's animal ambassadors and engage in hands-on activities exploring how the resources of our planet are distributed.

OUR GREAT LAKE ERIE

Grades 4 and up | 120 minutes

Recommended Chaperones:

minimum 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. Only available in September, October, April, or May.



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 hands-on 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 can make things move.



SPACE SCIENCE

STARS & STORIES

Pre-K | 30 minutes

Recommended Chaperones: 2 adults

In this planetarium field trip students 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 movement of the Sun and stars in this active planetarium program. Students will explore daily changes in the day sky and the night sky as well as seasonal changes too. End the program with a brief discussion of the moon phases and a look at the current night sky.

THE MOON

Grades K-2 | 30 minutes

Recommended Chaperones: 2 adults

Students will learn to identify the face of the Moon, observe its daily apparent motion and practice putting the moon phases in their correct order in this hands-on immersive planetarium field trip. End your program with a view of the current moon phase and a look at the stars.

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 phases, visible planets and more. Hear age-appropriate mythology stories and discover how the stars connect us all on Earth through imagination and storytelling.

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 objects in our solar system and its place in the galaxy. Note: This field trip can be adjusted to any grade level. This program does not include a tour of the night sky or any constellation talk. *Night Sky* can be added to the program, making it 90-minutes.

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 the 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

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 of tides is included.

EARTH SCIENCE

WEATHER AND CLIMATE

Grades 1-3 | 90 minutes

Recommended Chaperones: minimum 4 adults

What is weather and why does our weather constantly change? In this program students will participate in hands-on data collection using weather tools.

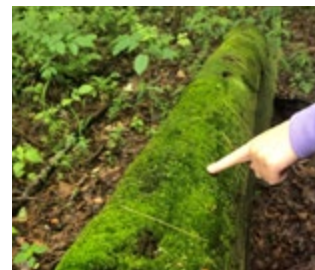
Please dress for the weather. Not recommended December-January.

WEATHER AND CLIMATE

Grades 4-6 | 90 minutes

Recommended Chaperones: minimum 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. Students will learn how climate change is impacting people, native plants and animals.

Please dress for the weather. Not recommended December-January.

BE AN EARTH ROVER

Grade 3 | 90 minutes

Recommended Chaperones: minimum 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.

POWER OF WATER

Grade 4 | 120 minutes

Recommended Chaperones: minimum 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.

GEOLOGY

Grades 5-7 | 90 or 120 minutes

Recommended Chaperones: minimum 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. We will also hike to explore the geological features of Huntington Reservation.

Please dress for the weather. Not recommended December- February.