

Scheduling your ExplorOlogy® In Motion experience is as easy as 1-2-3!

1. Choose a preferred month and/or week for your ExplorOlogy® In Motion visit.
2. Complete the ExplorOlogy® In Motion reservation form online at:

samnoblemuseum.ou.edu/explorology

3. An ExplorOlogy® In Motion Educator will contact you to confirm your date and programs.

Note: All reservations are made on a first come, first served basis. Register early to ensure your school reserves your preferred date.

Reservation deadline for the
2016–2017 school year:

JANUARY 27, 2017

Questions?

Please contact us by phone: (405) 325-8879 or by email:
explorology.samnoblemuseum@ou.edu

What is ExplorOlogy®?

ExplorOlogy® is a series of programs through the Sam Noble Museum for Oklahomans of all ages to “do science” by getting outside and experiencing the world we share.

ExplorOlogy® makes science exciting and relevant to Oklahoma youth by engaging them in authentic science experiences.

ExplorOlogy® is a joint effort by the Sam Noble Museum and the Whitten-Newman Foundation to introduce young people in Oklahoma to science. In the first five years, over 50,000 school children experienced field- based research. Funding for ExplorOlogy® during this period was provided by a grant from the Whitten-Newman Foundation.

ExplorOlogy® is currently sponsored in part by the Sam Noble Museum and Oklahoma’s oil and natural gas producers and royalty owners, through the Oklahoma Energy Resources Board **OERB**.

Want to know more? Visit us online:

See the Adventure • Explore • Apply
SamNobleMuseum.ou.edu/explorology

Bring Science Discovery to Your Classroom!



ExplorOlogy®
In Motion



Sam Noble Museum
THE UNIVERSITY OF OKLAHOMA
2401 Chautauqua Ave., Norman, OK 73072-7029
(405) 325-4712 | samnoblemuseum.ou.edu

The University of Oklahoma is an equal opportunity institution. www.ou.edu/eoo.
For information, or for accommodations on the basis of disability, please call (405) 325-1008.

EXPLOROLOGY®
ADVENTURES IN SCIENCE DISCOVERY

ExplorOlogy® In Motion

ExplorOlogy® In Motion from the Sam Noble Museum visits schools across Oklahoma providing science experiences to thousands of students each year.

This summer, your student had the opportunity to discover science first-hand working with scientists in the field. ExplorOlogy® In Motion brings the excitement of science discovery to the rest of your students.

All programs are aligned with
PASS and OAS Standards.

Please visit our program website to learn more:
samnoblemuseum.ou.edu/explorology



CHOOSE YOUR ExplorOlogy® In Motion LEARNING EXPERIENCE:

TAKE YOUR CLASS OUTSIDE! (Grades 1-12)



Students become the scientists as they explore what types of living things they can see and catch in their own schoolyard. Working together, we will discover what biodiversity really is and what it can tell us about our ecosystem.

Length: 2 hours

- A trained ExplorOlogy® In Motion Educator will facilitate activities that meet PASS objectives.
- Program takes place on school grounds.
- All materials and equipment are provided.
- Due to the outdoor nature of the program, ExplorOlogy® In Motion requires that any class with more than 25 students must have 1 additional adult chaperone per 10 additional students.



CLASSROOM PROGRAMS



Classroom Labs are unique science experiences for up to 30 students per class. A trained ExplorOlogy® In Motion educator will lead a hands-on, inquiry-based program where the student becomes the scientist.

Classroom programs feature actual specimens for students to handle during their investigations.

Length: 50 minutes
(PreK-K: 25 minutes)

CSI: ECOSYSTEM (Grades 4-5)

Using animal and plant specimens as clues, students will discover what makes up an ecosystem. Students will be challenged to design their own ecosystem and see how it stands up to environmental changes.

CLASSIFY IT! (Grades 6-12)

Why is classification important?

Looking for physical similarities between animals can help us figure out how they survive in their ecosystem.

In this lab, students will create their own animal classification system and discover how much an animal's appearance can really tell us.

PALEONTOLOGY LAB (Grades 9-12)

How can fossils help us understand the past?

Paleontologists use fossils as important evidence in reconstructing ancient ecosystems and animal characteristics.

Working in teams, students will excavate fossils and use comparative anatomy to discover what clues fossils hold to the Earth's past.



WHEN I GROW UP (PreK-K)

Do all animals grow up the same way?

We will find out as we explore animal life cycles, read a story and play a game to understand the amazing changes some animals make when they grow up.

ANIMAL SURVIVORS (Grades 1-3)

What does every living thing need to survive?

Students will meet some animals from Oklahoma, discover what helps them survive and play a game about animal survival!

BRING ExplorOlogy® In Motion TO YOUR SCHOOL!