

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](http://samnoblemuseum.ou.edu/explorology)

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

Reservation deadline for the  
2018-2019 school year:

March 1, 2019

Questions?

Please contact us by phone: (405) 325-8879 or by email:  
[explorology.samnoblemuseum@ou.edu](mailto: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® was created as a joint effort by the Sam Noble Museum and the Whitten-Newman Foundation to introduce people in Oklahoma to science. Since its creation, ExplorOlogy® has reached over 80,000 Oklahomans of all ages. During the first five years, funding 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](http://SamNobleMuseum.ou.edu/explorology)



Bring Science Discovery to Your Classroom!

ExplorOlogy<sup>®</sup>  
In Motion



# ExplorOlogy<sup>®</sup> In Motion

ExplorOlogy<sup>®</sup> 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<sup>®</sup> 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](http://samnoblemuseum.ou.edu/explorology)



## CHOOSE YOUR ExplorOlogy<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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 6–12)

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 animals life cycles, read a story and play a game to understand the amazing changes some animals make as 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<sup>®</sup> In Motion TO YOUR SCHOOL!