INTRODUCING
AQUILOPS AMERICANUS

The smallest and oldest ceratopsian dinosaur ever discovered in North America. Now on display in the Hall of Ancient Life.
Welcome to the Sam Noble Museum!

Dear Educators,

Welcome to the Sam Noble Museum at the University of Oklahoma! This 2015 – 2016 Educator’s Guide provides information regarding the museum’s innovative educational programs, exhibits and experiences that inspire learners of all ages to understand the natural and cultural world.

This year, please take the time to review our new layout as we have restructured our programming in accordance with popular demand. The educators at the Sam Noble Museum are excited to work with you and your students this year. We look forward to serving you and hope that you share your ideas and feedback with us regarding your visit to the museum.

Sincerely,
Education Department Staff

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This publication, printed by the Sam Noble Oklahoma Museum of Natural History, is issued by the University of Oklahoma. 1000 copies have been printed and distributed at a cost of $1,900 to the taxpayers of the State of Oklahoma.
Programs Your Students Will Love
Our education department staff has developed a range of inquiry-based programs for each grade level. All programs address PASS and Oklahoma Academic Standards and are taught by professional museum educators.

Exhibits That Bring Science to Life!
Oklahoma’s present Native American heritage and its archaeological past, its ecology and wildlife, and its ancient life forms are all beautifully showcased in museum galleries.

Exhibit Interpreters
Trained volunteers in each gallery share stories, touchable specimens, artifacts and activities with your students as they explore the museum.

Educational Program Guides
Let us help you prepare your students for their museum visit! Educational Program Guides include background information, vocabulary lists, and PASS and Oklahoma Academic Standards. Visit our website, http://samnoblemuseum.ou.edu/schoolprograms, to download these resources.

Gallery Activities
Our Gallery Guides include thoughtful activities that encourage students to explore the details in each gallery. Guides are available for grades PreK–2, 3–5, 6–8 and 9–12 in PDF form on the museum website. It takes about 30 minutes to complete the activities in one gallery.

Hands-on Exploration
Our Discovery Room is a hands-on exhibit space designed for students to explore museum objects in a stimulating and fun environment. Students may explore collection drawers, complete a series of tabletop activities, excavate dinosaur bones or simply examine the many wonders displayed in the room.

Discovery Kits are Under Construction!
The Sam Noble Museum has received a grant from the Institute of Museum and Library Services to create 12 new Discovery Kits! These kits will feature science curriculum for Grades K-12, meet Oklahoma state educational standards and include actual museum specimens and artifacts for students to explore. In addition, the new Discovery Kits will be available for delivery to schools across the state. The new Discovery Kits will be available in early 2016.

While the new kits are under construction, only Custom Discovery Kits will be available. Custom Discovery Kits include a collection of specimens and artifacts to assist in the facilitation of your classroom activities. Please note, Custom Discovery Kits include museum objects only.

OCTOBER IS TEACHER APPRECIATION MONTH
During the month of October, all PreK through grade 12 teachers and their families are invited to visit the museum free of charge!
The Sam Noble Museum education department maintains a scientific loan collection that includes animal skins, skeletons, taxidermy specimens, fossils and artifact replicas. We will be happy to put together a custom kit that will meet your specific needs.

Please provide at least two-weeks notice before your requested check-out date.

Professional Development Opportunities
We offer a variety of workshops for teachers throughout the year. Please check our website for current offerings.

Immerse Yourself in the Past
In the Hall of Ancient Life, your students can sit on replicas of 3-billion-year-old bacterial domes called stromatolites, wander the giant forests that became Oklahoma’s coal deposits and then be awed by the dinosaurs and mammoth.

Explore the Natural Wonders of Oklahoma
Breathtaking dioramas in the Hall of Natural Wonders allow students to explore some of Oklahoma’s unique habitats. Walk through a limestone cave that is home to bats and salamanders, observe bison in their natural habitat and marvel at the beauty of Black Mesa.

Investigate Native Cultures of Oklahoma
The Hall of the People of Oklahoma explores how people lived in the state from 30,000 years ago to present day. The gallery includes mammoth-hunting tools, exotic trade goods from the Spiro mounds and a dugout canoe students can sit in. Also, learn about the cultures of Oklahoma’s many Native American tribes.

SPECIAL EXHIBITIONS

**Galileo’s World**
Through the Eyes of the Lynx: Galileo, Natural History and the Americas
August 1, 2015 – Jan 18, 2016
In celebration of the University of Oklahoma’s 125th anniversary, *Through the Eyes of the Lynx* showcases written works of one of the earliest scientific societies.

**Collision and Creation**
Indigenous Arts of the Americas 1890–2015
August 29, 2015 – February 21, 2016
View ethnographic arts created by Native peoples of the Americas between 1890 and 2015.

**First Folio!**
The Book that Gave Us Shakespeare
Shakespeare’s rare First Folio will go on display as part of a tour of all 50 states and Puerto Rico organized by the Folger Shakespeare Library.

**Galileo’s World**
Through the Eyes of the Lynx: Galileo and the Microscope
February 6 – July 31, 2016
The second of two *Galileo’s World* exhibits explores the first recorded use of the microscope and Galileo’s discoveries with telescopes and magnification.

**Be the Dinosaur™**
Spring 2016
*Be the Dinosaur™* features full-size dinosaur bones, a Safari Jeep and more in the largest and most complex restoration of an extinct ecosystem ever created. Reservations required. Additional fees may apply.

Exhibits sponsored by Loves.
Hours for School Groups
Monday–Friday 9:30 a.m. to 5 p.m.
Saturday 10 a.m. to 5 p.m.
Sunday 1 to 5 p.m.

School Group Admission
School groups receive a discounted admission rate when reservations are made in advance with the museum education department.

Students $4

Adult Chaperones
PreK–Grade 5 (1 adult per 5 students) Free
Grades 6–12 (1 adult per 10 students) Free

Additional Adults $7

Please note that regular admission rates and program rates apply to school groups scheduling educational programs on Free First Mondays for Kids. School groups scheduling a general visit without programs will not be charged admission for children 17 and under on Free First Mondays for Kids.

School Group Program Fees
Enhance your museum experience with one of our hands-on programs! Advance registration is required and programs are limited to a maximum of 25 students. Please note that a teacher must be present at all times during each of your scheduled programs.

Classroom program (PreK–Grade 2) $35
Classroom program (Grades 3–12) $45
Laboratory program $80
Discovery Room session $30
Discovery Room program $35

Reservations
Begin the reservation process online at http://samnoblemuseum.ou.edu/schoolprograms. You also may contact the education department at (405) 325-1008, or email us at education@snomnh.ou.edu. We recommend that reservations are made at least two weeks in advance of your planned visit.

Payment
Payment for admission and programs is due upon arrival. Payments may be made by purchase order, school check, credit card or cash. Schools that need to cancel a scheduled program should do so at least two business days in advance.

Fund My Field Trip!
Have your students missed out on visiting the Sam Noble Museum due to lack of funding? We offer a variety of funding opportunities. Visit our website for more information.

The museum’s Fossil Fuel Fund and the Oklahoma Energy Resources Board can assist schools with transportation, admission and/or educational program costs.

Educational programs paid for by OERB are marked with the OERB Logo. For more information on OERB funding, please visit http://www.oerb.com/ForEducators/tabid/58/Default.aspx

Chaperones
The required adult chaperones receive complimentary admission to the museum in exchange for their active supervision of all students. A ratio of 1:5 is required for elementary school children; a ratio of 1:10 is required for grades 6 through 12.
Lunch
• Outdoor tables are available on the museum grounds where school groups may eat sack lunches. Please bring group lunches in plastic totes: corrugated cardboard is a pest hazard and cannot be brought into the museum.
• The Redbud Café, located inside the museum, can provide box lunches for groups that order at least five days in advance. To make arrangements for box lunches, call (405) 325-1131.
• Reaves Park, about one-half mile east of the museum, is a great space for lunch. The park has play equipment and picnic tables.
• The Jacobson House Native Art Center offers indoor seating for groups of fewer than 40 who have sack lunches. Contact Jacobson House at (405) 366-1667.
• Couch Restaurants on the OU campus is available for groups desiring to purchase lunch. For more information call (405) 325-5185 or visit http://www.housing.ou.edu.

Excavations: The Museum Store
The museum store offers a wide selection of T-shirts, books, toys and jewelry, with many items priced under $5. Please provide supervision in the store in the ratio of 1:5 (PreK through 5) or 1:10 (6 through 12).

SAMPLE FIELD TRIP ITINERARY

9 a.m. Depart school for the Sam Noble Museum!

10:15 a.m. Arrive at the Museum!
• Museum staff greets group on school bus
• Head teacher checks group in at information desk
• Group uses restrooms, divides into chaperone groups

10:30 a.m.
Group A – 50-minute educational program
Group B – 50-minute educational program
Group C – Visit Hall of Ancient Life
Group D – Visit Hall of Ancient Life

11:30 a.m.
Group A – Visit Hall of People of Oklahoma and Hall of Natural Wonders
Group B – Visit Hall of People of Oklahoma and Hall of Natural Wonders
Group C – 50-minute educational program
Group D – 50-minute educational program

12:30 p.m. Group Lunch at Reaves Park

1:30 p.m.
Group A – Visit Hall of Ancient Life
Group B – Visit Hall of Ancient Life
Group C – Visit Hall of People of Oklahoma and Hall of Natural Wonders
Group D – Visit Hall of People of Oklahoma and Hall of Natural Wonders

2:30 p.m. Depart the Sam Noble Museum
DISCOVERY ROOM SESSION
Discovery Room Sessions allow students to participate in free-choice learning opportunities and free play activities that enhance their understanding of natural and cultural history. These 25-minute sessions are most appropriate for PreK through grade 5 and are limited to a maximum of 25 students per session.

**FEE** $30 per session + museum admission

School groups may visit the Discovery Room on a first-come basis, or they may schedule a Discovery Room Session. Please remember, if you choose not to schedule a session, there is no guarantee that the room will be available while you are at the museum.

DISCOVERY ROOM PROGRAMS
Discovery Room programs involve hands-on activities and scientific specimens. Programs are 25 minutes and are limited to a maximum of 25 students per class.

**FEE** $35 per session + museum admission

From the Earth (PreK-K)
Natural resources are things we use every day! What kinds of things do you use and where do they come from? Get ready to find out in this interactive Discovery Room Session.

PASS Science Process 1.1, 1.2, 1.3 | Physical Science 1.1
OAS Science Practices: 1, 2, 4, 6, 8 | Core Ideas: ESS3

All About Amphibians (PreK-K)
What makes amphibians unique? Students will learn all about amphibians by observing live salamanders and tadpoles and participating in an exciting activity that takes us through the life cycle of a frog.

PASS PreK Science Processes and Inquiry 1.1, 1.4 | Physical Science 2.2, 2.3 | Life Science 3.1, 3.2, 3.3
KINDERGARTEN Science Process 1.1, 1.3 | Physical Science 1.1, 1.3 | Life Science 2.1, 2.2, 2.3
OAS Science Practices 1, 2, 4, 6, 8 | Core Ideas LS3 | Crosscutting Concepts, Structure and Function

Rocks and Beyond! (Grades 1–2)
Geologists study more than just rocks. Mineral resources are an important part of the world we live in. Discover the difference between a rock and a mineral and learn how you use rocks as resources every day!

PASS Science Process 1.1, 1.2, 2.1, 3.1, 3.2
GRADE 1 Physical Science 1.1, 1.2
GRADE 2 Physical Science 1.1; Earth and Space Science 3.1
OAS Science Practices 1, 2, 4, 6, 8 | Core Ideas ESS3

OERB
EDUCATIONAL PROGRAMS

These programs last 25 minutes and involve hands-on activities with scientific specimens. Programs are limited to a maximum of 25 students per class.

FEE $35 per class + museum admission

Dinosaur Eggs and Babies
How does an egg protect the baby dinosaur developing inside? What adventures might it have once it hatches? Students will learn about two young dinosaurs in Cretaceous Oklahoma and participate in hands-on learning and experiments.

PASS PreK Science Process 1.1, 1.3 | Physical Science 2.1 | Life Science 3.1, 3.2
KINDERGARTEN Science Process 1.1–1.3 | Physical Science 1.1 | Life Science 2.1, 2.2

OAS Science Practices 1, 2, 4, 6, 8 | Crosscutting Concepts, Structure and Function, Patterns

Creature Features
Fur, feathers, scales and slime! Students will find out firsthand what characteristics make birds, amphibians, reptiles and mammals both different and similar.

PASS PreK Science Process 1.1, 1.4 | Physical Science 1.1 | Life Science 1.3
KINDERGARTEN Science Process 1.1, 1.3 | Physical Science 1.1 | Life Science 2.3

OAS Science Practices 1, 2, 4, 6, 8 | Core Ideas LS1
Crosscutting Concepts, Structure and Function, Patterns

Natural or Not
How can you tell the difference between things you find in nature and things that people have made? Students will classify a variety of objects to decide if they are natural or produced by humans and learn how people use natural resources, such as oil, in everyday life.

PASS PreK Science Process 1.1, 1.2, 1.4 | Physical Science 2.2 | Earth and Space Science 4.1
KINDERGARTEN Science Process 1.1, 1.3, 1.4 | Physical Science 1.2 | Earth and Space Science 3.1

OAS Science Practices 1, 2, 4, 6, 8 | Core Ideas ESS3

“The instructor was very flexible with the kids’ answers and adapted to their knowledge.”

PRE K TEACHER
KATHERINE I. DAILY ELEMENTARY, NOBLE
EDUCATIONAL PROGRAMS
These programs last 25 minutes and include activities using artifacts or scientific specimens. Some programs also include investigations, demonstrations or data collection and analysis. Programs are limited to a maximum of 25 students per class.

FEE $35 per class + museum admission

Meet the Dinosaurs
What kinds of dinosaurs roamed Oklahoma? Were they meat-eaters or plant-eaters? Did they have sharp teeth, large claws or other interesting adaptations? Are they really all extinct? Students will discover the answer to these and other questions as they examine fossils and participate in a movement activity.

Prairie Connections
What special adaptations do prairie animals need for living in their environment? Your students will meet native animals of the Oklahoma plains and discover the surprising ways they meet the challenges of prairie living.

PASS
GRADE 1 Science Process and Inquiry 1.2, 2.1, 2.2, 2.3, 3.1, 3.2, 4.1, 4.2, 4.3 | Life Science 1.1, 1.2
GRADE 2 Science Process 1.2, 3.1, 4.2, 4.3 | Life Science 2.1, 2.2
OAS 3-LS4-1 | Science Practices 1, 2, 3, 4, 5, 6, 7, 8 | Core Ideas LS1, LS4 | Crosscutting Concepts: Patterns, Structure and Function

GRADE 1-2
Raw to Refined

How do people modify natural resources to create tools, household items and other basic goods? Students will examine and classify common objects based on their raw materials to discover how humans interact with the natural world.

GRADE 1 Science Process 1.1, 1.2, 2.1, 2.2 | Physical Science 1.1, 1.2
GRADE 2 Science Process 1.1, 1.2, 2.1, 2.2 | Physical Science 1.1
Earth and Space Science 3.1

Science Practices 1, 2, 3, 4, 6, 7, 8 | Core Ideas ESS3

“I loved how the kids had to work together and think outside of the box.”
SECOND-GRADE TEACHER
AMBER-POCASSET ELEMENTARY
EDUCATIONAL PROGRAMS

These programs last 50 minutes and include activities using artifacts or scientific specimens. Some programs also include investigations, demonstrations or data collection and analysis. Programs are limited to a maximum of 25 students per class.

**Web of Life**

How is a tree connected to a coyote? From plants to animals to fungus, students will use museum specimens to create a community, learn about how an ecosystem works, collect and graph class data and discover how all organisms in an ecosystem are connected.

**Dinosaur Feasts**

What do scientists know about how dinosaurs ate? Students will compare dinosaur fossils and modern animal specimens to discover how both carnivorous and herbivorous dinosaurs crunched and munched their food.

**Wild and Rare**

Everyone hears about endangered species, but of the many plants and animals around us, which ones are endangered? Which ones are threatened? Which ones are surviving? Students will learn what makes a species vulnerable to extinction, then use museum specimens and hands-on materials to gather information and predict the futures of several species.

**FEE** $45 per class + museum admission
The Bison Hunters: Native Americans of the Plains
How did the Native Americans use the natural resources on the Great Plains to meet their needs? Student teams will analyze and measure tools, clothing and other artifacts from Plains Indian culture to discover the relationship between these peoples and their natural environment.

PASS
GRADE 3 Social Studies 1.1, 4.1, 5.1
GRADE 4 Social Studies 4.1, 4.2, 5.1, 5.2, 5.3, 5.5
GRADE 5 Social Studies 6.3, 7.2, 7.5
OAS Science Practices: 1, 3, 4, 5, 6, 7, 8

Rockin’ Rocks
Did you know that not every rock is the same? In this class, students will understand the difference between minerals and rocks, test the porosity of rocks and learn how sedimentary rocks are formed.

PASS
GRADE 3 Science Process 1.1, 2.1, 2.2, 3.1-3.4, 4.1-4.4 | Earth and Space Science 3.1
GRADE 4 Science Process 1.1, 2.1, 2.2, 3.1-3.4, 4.1-4.4 | Earth and Space Science 4.1-4.4
GRADE 5 Science Process 1.1, 2.1, 2.2, 3.1-3.4, 4.1-4.4
OAS 5-PS1-3 | Science Practices 1, 2, 3, 4, 6, 7, 8 | Core Ideas ESS3 | Crosscutting Concepts, Patterns, Structure and Function, Stability and Change

“The program exposed my students to science and social studies experiences that I cannot provide in my classroom.”
FOURTH-GRADE TEACHER
CELIA CLINTON ELEMENTARY, TULSA
EDUCATIONAL PROGRAMS

These programs last 50 minutes and include activities using artifacts or scientific specimens. Some programs also include investigations, demonstrations or data collection and analysis. Programs are limited to a maximum of 25 students per class.

**FEE** $45 per class + museum admission

### Clues to the Past

Did you know that southeastern Oklahoma was once a swamp at the edge of the sea? Students in this class will identify marine, wetland and terrestrial fossils and map their locations to re-create Oklahoma’s ecosystem as it existed 300 million years ago.

**PASS**
- **GRADE 6, 7, 8** Science Process 2.1, 2.2
- **GRADE 6** Life Science 3.2, 4.1, 4.2
- **GRADE 7** Life Science 4.2
- **GRADE 8** Life Science 3.1, 3.2

**OAS** Science Practices: 1, 2, 3, 4, 6, 7, 8

### Science I.D.

How does a scientist identify organisms and study differences among species? Students will observe, measure, identify and describe several different groups of museum specimens.

**PASS**
- **GRADE 6, 7, 8** Science Process 1.1, 1.3, 2.1, 4.3
- **GRADE 7** Life Science 2.2, 3.1
- **GRADE 8** Life Science 3.1, 3.2

**OAS** Science Practices: 1, 2, 3, 4, 5, 6, 7, 8

### Ecosystem Interactions

How do ecosystems work? Students will explore energy transfer by building food webs with museum specimens, collecting and graphing data and discovering how the biotic and abiotic components of an ecosystem are connected.

**PASS**
- **GRADE 6** Science Process, 2.1, 2.2, 4.1–4.3, 5.1, 5.3, 5.4 | Life Science 3.2, 4.1, 4.2
- **GRADE 7** Science Process 1.3, 2.1, 2.2, 4.1–4.3, 5.3, 5.4 | Life Science 2.1, 3.1, 4.2
- **GRADE 8** Science Process 1.3, 2.1, 2.2, 4.1–4.3, 5.1, 5.3, 5.4 | Life Science 3.2

**OAS** MS-LS2-3
LABORATORY PROGRAM

Laboratory programs last 90 minutes and include experiments or simulations and active investigation by students. Laboratories are limited to a maximum of 25 students per class.

FEE $80 per class + museum admission

Geology Laboratory

Did you know you can experience the rock cycle in minutes rather than eons? In this laboratory, students will investigate the rock cycle by “making” sedimentary, igneous and metamorphic rocks, and then experience the processes of erosion, sedimentation and soil formation. Students also will identify a variety of rocks and minerals through observations and tests.

PASS GRADES 6–8 Process Skills 1.1, 1.2, 2.2, 3.1, 4.1, 4.3, 5.1
GRADE 6 Earth-Space Science 5.1
GRADE 8 Earth-Space Science 4.1, 4.2

Archaeology Laboratory

Students will experience the process of scientific archaeology from excavation through data collection, artifact identification, interpretation and reporting. The “sites” excavated represent five cultures from Oklahoma’s past, ranging from the dramatic mammoth-hunting cultures of 11,000 years ago to the historic Wichita.

PASS GRADE 6 Social Studies 1.1, 3.1, 3.2
GRADE 7 Social Studies 1.1, 5.1, 5.2
GRADE 8 Social Studies 1.1

OAS Science Practices: 1, 3, 4, 6, 7, 8

“The program provided visual, hands-on examples of what we could only read or see on the internet.”

FIFTH-GRADE TEACHER
BRIDGESTONE ELEMENTARY

Sam Noble Museum (405) 325-1008
EDUCATIONAL PROGRAMS

These programs last 50 minutes and include activities using artifacts or scientific specimens. Some programs also include investigations, demonstrations or data collection and analysis. Programs are limited to a maximum of 25 students per class.

**FEE** $45 per class + museum admission

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**It’s Classified!**

Scientists classify species into taxonomic groups based on characteristics such as tooth structure, color and body type. Students will identify and group a variety of museum specimens based on quantitative and qualitative characteristics.

**PASS** GRADES 9–12 Science Process 1.1, 2.1, 2.2, 4.7 | Biological Diversity 3.1, 3.2

**OAS** Science Practices 1, 2, 3, 4, 5, 6, 7, 8 | Core Ideas LS4

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**Mysteries of the Mesozoic**

What can you tell about a prehistoric animal from a single fossil? Students will find out by uncovering clues from the Mesozoic era, the age of dinosaurs. Student teams will participate in an excavation simulation at one of six “sites.”

**PASS** GRADES 9–12 Science Process 1.2, 1.3, 2.2, 3.1, 4.1, 4.3, 5.1 | Environmental Science 4.1

**OAS** HS-ESS3-5 | Science Practices 1, 2, 4, 6, 7, 8

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They will collect data and then analyze their findings using principles of comparative anatomy.

**PASS** GRADES 9–12 Process Standards 1.1–1.3, 2.1, 4.1, 4.2, 4.4, 5.1–5.3, 6.1–6.4

**OAS** Science Practices 1, 2, 3, 4, 5, 6, 7, 8 | Core Ideas ESS2, Crosscutting Concepts, Scale Proportion and Quantity, Structure and Function

**Beneath the Bedrock: Fossils or Fuel?**

Fossils and fossil fuels both formed over millions of years and hold great interest to scientists. In this program, students will explore the similarities and differences between fossils and oil. They will also use maps, diagrams and other models to discover the relationship between these two important resources.

**PASS** GRADES 9–12 Science Process 1.2, 1.3, 2.1, 3.1, 4.1, 4.3, 5.1 | Core Ideas ESS2, Crosscutting Concepts, Scale Proportion and Quantity, Structure and Function

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LABORATORY PROGRAMS
Laboratory programs last 90 minutes and include experiments or simulations and active investigation by students. Laboratories are limited to a maximum of 25 students per class.

**FEE** $80 per class + museum admission

In Deep Water
What happens when aquatic ecosystems experience changes in climate patterns? Students will examine what factors influence ocean conditions and marine populations. They will perform experiments, create and analyze graphs and gather information from scenarios in order to find out why our oceans are “in deep water.”

**PASS** GRADES 9–12 Process Standards 1.1-1.3, 2.1, 4.1–4.4, 4.8, 5.1-5.3, 6.1-6.4
High School Environmental Science: 1.1b, 4.2, 5.1-5.3

**OAS** Science Practices: 1, 2, 3, 4, 5, 6, 7, 8 | Core Ideas LS2, ESS3 | Crosscutting Concepts: Cause and Effect, Stability and Change

CSI Red River
Students canoeing on the Red River find fish swimming erratically; a fisherman on the Mountain Fork of the Little River is stunned to find piles of dead and dying fish. What is happening? It is up to wildlife biologists to collect data and find the answers! Students in this class will use a variety of chemical tests, interviews and other data collection skills to solve the mysteries.

**PASS** GRADES 9–12 Science Process 1.1, 1.2, 1.3, 4.1–4.8, 6.1–6.4

**OAS** Science Practices 1, 2, 3, 4, 5, 6, 7, 8 | Core Ideas LS2, ESS3 | Crosscutting Concepts, Cause and Effect, Stability and Change

All of the museum programs have companion pre-visit materials. Check them out on the museum’s website at samnoblemuseum.ou.edu.
ExplorOlogy® is a series of innovative educational opportunities designed to engage Oklahomans in “doing science” by immersing them in exciting science experiences. All programs provide participants with an adventure in science discovery!

**Paleo Expedition**
Be a paleontologist! Join scientists in the field as we excavate and explore Oklahoma’s prehistoric past. This two week experience is for grades 9–11.

**Oklahoma Science Adventure**
Are you ready to explore the forests, streams and fields of Oklahoma to discover science in action? Join us on this week-long adventure for grades 6–8.

**Science Institute**
A unique professional development workshop for teachers who want to incorporate science process and inquiry more effectively into their classroom. This workshop is for public, private and homeschool K–12 teachers.

**More Information**
Elementary, middle and high school students and teachers are encouraged to find out more about these exciting programs! Call (405) 325-8879 or visit samnoblemuseum.ou.edu/programs/explorology

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 sponsored in part by Oklahoma’s oil and natural gas producers and royalty owners, through the Oklahoma Energy Resources Board.