

MUSEUM AT WHITEVILLE



2015–2016

EDUCATOR'S GUIDE

to Museum Services

NORTH CAROLINA **Museum of Natural Sciences**
Downtown Raleigh • corner of Jones & Salisbury Streets • naturalsciences.org

NORTH CAROLINA MUSEUM OF NATURAL SCIENCES AT WHITEVILLE

This guide is designed to provide information on programs for school groups and teachers at the North Carolina Museum of Natural Sciences at Whiteville. For information on other programs and events, please visit our website, naturalsciences.org/whiteville

North Carolina Museum of Natural Sciences at Whiteville
415 South Madison Street
Whiteville, NC 28472
910.914.4185
whiteville@naturalsciences.org
naturalsciences.org/whiteville

HOURS

Tuesday–Saturday, 9 a.m.–5 p.m.

GENERAL ADMISSION

Free / Donations welcome

OVERVIEW

The new museum experience in Whiteville is modeled after proven interactive programs at the Museum's Raleigh-based Nature Research Center, Nature Education Center, and Prairie Ridge Ecostation for Wildlife and Learning, and has several new features. Below are descriptions of both indoor and outdoor areas.

OVERVIEW

INDOOR

INVESTIGATE LAB

Visitors of all ages can discover the scientific process by trying a range of experiments with tools including microscopes, pipettes and more.

NATURALIST CENTER

Featuring an extensive collection of specimens from feathers to fossils, visitors are encouraged to explore the natural collection.

DISCOVERY FOREST

Here young explorers have a place for guided science and nature exploration. Children engage their senses by touching fossils and exploring the discovery bins or engage in creative play by trying on costumes and playing with puppets.

DISTANCE LEARNING CLASSROOM

A space designed to virtually link visitors and students at the Whiteville Museum with scientists at the Raleigh Museum and other locations.

IN-YOUR-BACKYARD RESOURCE CENTER

An information area—featuring material about state parks, aquariums, and other North Carolina sites—where visitors can plan to continue their exploration of their state's natural places.

FOSSIL LAB

See fossils of the slow-moving Giant Ground Sloth. Compare your leg and ankle bones to those of this giant plant-eating mammal that lived in Columbus county 1.5 million years ago.

OUTDOOR

NATURE PLAYSACE

Designed to celebrate the importance of outdoor play in the lives and education of children, this space includes areas for art, digging and exploration. Children can climb over logs, roll in the grass, make mud pies, observe nature and dig for fossils.

NORTH CAROLINA TREE TRAIL

Explore the outdoors by following the walking trail through the Museum's forest habitat. Test your knowledge with the Tree Trail Challenge.

FOSSIL DIG PIT

Search the outdoor fossil pit for real fossils from millions of years ago. Visitors may request a fossil identification sheet and a plastic bag to store their finds. Any fossils found in the Dig Pit are yours to keep.

PLANNING YOUR VISIT

WHAT ARE MY FIELD TRIP OPTIONS?

Groups of more than 10 are required to schedule their visit by calling the Museum at Whiteville.

Option 1: Whiteville Museum visit plus student program

Curriculum-correlated student programs for grades K–5 help teachers integrate the Museum experience into your classroom. Scheduling information and program descriptions start on page 4. Explore the Museum and allow time to visit the Museum Store before or after your program.

Option 2: Whiteville Museum visit without a program

Explore, discover and learn at your own pace with a free self-guided experience. To schedule your visit date and time please contact the Museum at Whiteville at 910.914.4185 or kellie.lewis@naturalsciences.org. Give us a first and second choice for your fieldtrip date as well as your name, school, school address, grade level, class number and students per class. Be sure to include a phone number and email address so we can contact you.

HOW MANY CHAPERONS DOES MY GROUP NEED?

A minimum of one adult per 10 students is required. Chaperones must be at least 18 years old. Failure to provide adequate adult supervision may mean your group will not be allowed to visit the Museum. Students must be under direct adult supervision at all times.

WHAT HAPPENS WHEN MY GROUP ARRIVES AT THE MUSEUM?

The group should remain outside while the group leader checks-in. An educator will be waiting for you in the Museum foyer.

IS THE MUSEUM ACCESSIBLE TO PERSONS WITH DISABILITIES?

The building and the picnic area are accessible to visitors using wheelchairs. Accommodations for programs are available for any group requiring them. If you require any other special accommodations, please contact the coordinator of accessibility and inclusion at 919.707.9887 or liani.yirka@naturalsciences.org.

WHERE CAN MY GROUP STORE LUNCHES?

There is a non-secure area where closed containers (e.g. coolers, boxes or plastic tubs) containing lunches and drinks can be stored during your group's visit.

WHERE CAN MY GROUP EAT LUNCH?

The Museum does not have an indoor area where groups can eat. Your group is welcome to enjoy lunches outdoors. Our new picnic tables provide the perfect open-air spot to enjoy a 'bring your own' lunch. First come, first served.

WHERE CAN MY GROUP PURCHASE SOUVENIRS?

Museum Store

Tuesday–Saturday, 9 a.m.–5 p.m.

The Museum Store offers something for every taste and price range, including locally crafted items.

The Museum Store is operated by The Friends of the North Carolina Museum of Natural Sciences at Whiteville; all proceeds benefit Museum at Whiteville programs.

WHITEVILLE STUDENT PROGRAM REGISTRATION

Preschool–Grades 5

Ages	Preschool–Grades 5
Dates	Oct. 5, 2015 – May 27, 2016
Times	Programs offered Tuesday, Thursday and Friday at 9 a.m., 10 a.m., 12 p.m. and 1 p.m.
Program Fees	\$50 per 1-hour program Grades 3–5 may choose two 1-hour programs: <i>Investigate Lab Experience</i> plus 2 nd program of your choice.
Class Size	Maximum 24 per class. Two classes can be accommodated at a time.
Chaperones	We recommend three to six adults per program.
To Schedule	Contact us at 910.914.4185 or kellie.lewis@naturalsciences.org
Scheduling Starts	Tuesday, August 11, 2015 Note: You must register programs at least two weeks in advance of your group's visit.
Lunch	Picnic tables are available outdoors.
Invoices	Will be emailed within five days of your confirmation. Reservation is secure upon receipt of payment.
Cancellation	A minimum two-week notice in writing is required for refund. Groups that do not cancel will be billed the full amount of the programs.
Weather Cancellation	If the Museum at Whiteville or the group needs to cancel due to weather, the program will be rescheduled at the teacher's request and as the Museum's calendar permits.

STUDENT PROGRAM DESCRIPTIONS

Preschool–Grades K

THINGS THAT GROW: ANIMALS

Preschool–K

K.L.1

Explore similarities and differences among animals by comparing eggs, nests and animal coverings. Observe and touch nests, animal skins, scales and wings. Program includes a 30 minute exploration of the Nature PlaySpace and Discovery Forest with a Museum educator as your guide.

THINGS THAT GROW: PLANTS

Preschool–K

K.L.1

Take a sensory stroll along the tree trail making observations about plants and animals native to our local area. Hands-on activities include matching seeds to trees and tracks to animals. Program includes 30-minute exploration of the Nature PlaySpace and Discovery Forest with a Museum educator as your guide.

YOUR BACKYARD IN FALL, WINTER, SPRING OR SUMMER

Preschool–K

K.L.1

Discover the fascinating world of your backyard. Learn how backyards can be good animal homes and how animal activity changes with each season and the weather. Meet this season's backyard "stars" along the Tree Trail using your observation skills to discover real animals that can be found in our own backyards. Program includes 30 minutes of Discovery Forest and Nature PlaySpace exploration with a Museum educator as your guide.

STUDENT PROGRAM DESCRIPTIONS

Grades 1–5

HEALTHY HABITATS

Grade 1

1.L.1, 1.L.2

All living creatures and organisms have basic needs to survive and thrive. What are these basic needs? How does the environment supply them? Do we as humans impact what the environment can offer? This program includes a visit to the Nature PlaySpace.

ANIMAL LIFE CYCLES

Recommended for Grade 2

K.L.1, 1.L.1, 2.L.1, 5.L.3

How do living creatures grow and change? Investigate the life cycles of several North Carolina creatures. How are they different? How are they similar? What are their challenges?

TURTLES AND TREE RINGS

Recommended for Grade 3

3.L.2, 4.L.1, 5.L.2

How does our environment affect growth? Examine tree cookies and turtle scutes to identify how trees and animals respond to environmental factors such as insect infestation, draught, fire and food availability.

INVESTIGATE LAB EXPERIENCE.

Grades 3–5

Lab – 3.P.2.2, 4.I.2., 5.P.2.2

Naturalist Center – 3.L.2.1, 4.E.2.1, 4.E.2.2, 5.L.2.3

In this hands-on lab, students become scientists and are introduced to scientific tools used to observe and study the natural world. Students are issued a lab coat, clipboard and an Observation Journal to record their findings. Students rotate every 15 minutes to four stations: Micro-pipetting, Measurement, Magnification and the Naturalist Center. In the Naturalist Center students examine a collection of specimens that may include birds, mammals, reptiles, amphibians, fishes, insects, plants, fossils, rocks and minerals.

FOSSILS: WINDOWS INTO THE PAST

Grade 4

4.E.2

Students will create their own fossil replicas of extinct creatures, and then research and contemplate their prehistoric past and significance.

THE HUNGRY GAMES

Grade 5

5.L.2

Oh, the tangled web we weave trying to decide who eats what or whom. Discover the interdependence that plants and animals have with their ecosystems and how energy flows among all components. Who or what is most important? What roles need to be played to maintain the delicate balance of survival?

OPPORTUNITIES FOR STUDENTS

Grades 6–12

OPEN MINDS: TEEN SCIENCE CAFÉ

Third or fourth Friday of the month, September 2015 – May 2016

Time: 5:00–6:30 p.m.

Free

Teen Science Cafés offer an informal setting for teens to learn about science and technology. Each Café features a scientist speaking on topics chosen by teens, an activity relating to the discussion, snacks, and time to meet other teens that enjoy science. Tentative dates for 2015-16 are Sep. 18, Oct. 16, Nov. 20, Dec. 18, Jan. 22, Feb. 19, Mar. 18, Apr. 15 and May 20.

Space is limited, so please call the Museum at 910.914.4185 or contact Vicki DiMuzio at vicki.dimuzio@naturalsciences.org to reserve a spot. Teens must be picked up before 7 p.m.

GIRLS IN SCIENCE SUMMER ED-VENTURE

Rising Grades 6–7

Summer Ed-Venture is a science-intensive, residential, week-long summer camp held at a park in North Raleigh. Open to girls from across North Carolina. We'll explore science through fun hands-on activities, get our hands dirty outside, go on night hikes, and meet women in science careers. We'll also visit the North Carolina Museum of Natural Sciences in Raleigh, investigate North Carolina's ecosystems, go on an overnight camping trip, and introduce girls to career opportunities in science. It will be a fun-filled week!

Applications are available in January for the upcoming summer.

For more information about Girls in Science, contact Kathryn Fromson, curator of youth programs, at 919.707.9951 or kathryn.fromson@naturalsciences.org

EDUCATOR TREKS

Join us in the field and explore the remarkable natural history around you! Or come to the Museum and explore new ways to enrich your teaching. Our professional development workshops provide opportunities for educators to increase their knowledge of natural sciences, gain ideas for the classroom, and network with other educators.

Workshops listed below are hosted by the Museum at Whiteville. For information about other educator training opportunities, special events and resources, please visit the STAFF DEVELOPMENT AND RESOURCES section of the Educator Guide to Museum Services 2015–2016, available at naturalsciences.org/education/educators-guide

Registration

Registration for most Educator Treks is on a first-come, first-served basis. Educator Treks fill quickly, so register early by filling out and mailing the registration form with your deposit check, available at naturalsciences.org/education/for-educators/educator-treks

Notification

You will receive a confirmation e-mail and mailed receipt for your deposit indicating acceptance into your chosen program(s). Workshop details will be e-mailed approximately two weeks prior to the workshop.

Renewal Credit

Educator Treks may be approved for renewal credits by your local school district. Participants receive a certificate for CEUs and credit for North Carolina's Environmental Education Certification Program.

Funding

Many school districts and civic and professional organizations provide financial support for educator workshops. Contact your district office about possible grants and scholarships.

USING YOUR SCHOOL GROUNDS: FALL

NC Museum of Natural Sciences at Whiteville
Thursday, October 22, 2015
4-6 p.m.
Fee: \$10
CEUs: 2 contact hours

Your school grounds hold amazing opportunities for teaching science and other subject areas. Join Museum educators and explore resources that are available in the fall right outside your school's door, including caterpillars and trees. Walk away with new ideas and activities for exploring the outdoors with your students.

USING YOUR SCHOOL GROUNDS: WINTER

NC Museum of Natural Sciences at Whiteville
Saturday, February 13, 2016
1-5 p.m.
Fee: \$10
CEUs: 4 contact hours

Your school grounds hold amazing opportunities for teaching science and other subject areas. Join Museum educators and explore resources that are available in the winter right outside your school's door, including birds and animal tracks and signs. Walk away with new ideas and activities for exploring the outdoors with your students.

USING YOUR SCHOOL GROUNDS: SPRING ... AND PADDLING!

NC Museum of Natural Sciences at Whiteville

Saturday, March 12, 2016

9 a.m.–5 p.m.

Fee: TBA

CEUs: 7 contact hours

Your school grounds hold amazing opportunities for teaching science and other subject areas. Join Museum educators and explore resources that are available in the spring right outside your school's door, including wildflowers and amphibians. Walk away with new ideas and activities for exploring the outdoors with your students. The workshop will end with an afternoon paddling adventure to explore the signs of spring on one of North Carolina's bay lakes.