

2013-2014

ACADEMIC GUIDE

Pre-K – 5th Grade



CHATTANOOGA
ARBORETUM
& NATURE CENTER

at Reflection Riding



Welcome to Our Classroom!



WHAT OUR CLASSES PROVIDE:

- Fun learning adventures in a “Living Classroom”
- Inquiry-based and interdisciplinary experiences
- Hands-on Field Classes taught in small groups of 12–15 students with one Naturalist
- Standards-based curriculum
- Up-close encounters with Native Wildlife



Classes are offered Monday–Friday, from 9:30 am–4 pm

Call 423-821-1160 ext.107 to reserve your class today!

Field Classes

Price listed for each class is cost per student, for school groups up to 60. **Add \$1.00 per student for groups over 60.** We do not have the resources or facilities to accommodate very large groups.

Included in your price is **one free adult for every 8 students.** Extra adults pay the regular admission fee.

A minimum \$100 charge for all our staff-guided field trip programs.

Kindergarten: Come to Your Senses

1.5 hrs \$6.50

During a nature walk students participate in games and hands-on activities and explore the world using their senses. They discover why senses are important to animals and people.

Grade 1: Wild Kingdom

2 hrs \$6.50

Hiking through the forest, students learn how to classify insects, spiders and other animals according to their characteristics, recognize the difference between plants and animals, and identify plant and animal habitat needs.

Grades 1-2: Junior Howlers

1.5 hrs \$5

The story of the endangered Red Wolf unfolds for students through interactive and role-playing activities.

Grade 2: The Animal / Plant Connection

2 hrs \$6.50

During a hike, exploring different habitats, students learn about the important connection between plants and animals, their basic requirements, and how they are adapted to their habitats. Students

will experience the diversity of the forest while exploring how animals and plants are dependant upon each other.

Grade 3: The Balancing Act

2 hrs \$6.50

While exploring different habitats, students learn about the delicate balance between predators and prey, the elements of a food web, and how animals are adapted to survive in specific habitats. Students see firsthand the importance of decomposers and explore the process by which soil is formed.

Grades 3-5: Pond Study

2 hrs \$6.50

In this hands-on class, students collect samples of pond life while learning about biodiversity, habitats, food chains, adaptations, classification, pollution, and about insects as indicators of water quality. Included is a visit to a natural wetland area. (This program can be adapted for 2nd Grade)

Grades 3-5: Trees are Terrific

2 hrs \$6.50

Students learn basic tree identification skills while exploring the ways that trees provide food and shelter for many different animals. They adopt a tree in the forest, measure it,

study it, and record their observations on a worksheet. Students also learn about transpiration and the basic requirements of trees through hands-on activities and games.

Grades 3-5: On the Brink - The Endangered Red Wolf

1.5 hrs \$5

Students learn about basic Red Wolf adaptations and behavior, the amazing story of their rescue from the brink of extinction, and how the national Red Wolf Recovery Program is helping to restore these important predators to their natural habitat in the southeastern United States. After a short writing activity and video, students meet our Red Wolves in the Wildlife Wanderland.



Grades 3-5: Cherokee Childhood

3 hrs \$8

Students experience life as Native American children of long ago by participating in games, stories and household chores from the past. They collect natural objects to make a “medicine bag,” prepare food with stone tools, and visit a Cherokee Chief’s cabin. **Minimum class size: 24**
Maximum class size: 70

Grades 4-5: Ecology in Action

2 hrs \$6.50

Students hike along our trails exploring the forest ecosystem. Using the tools of scientists, students work together to conduct a census of plant or animal populations and conduct a biodiversity survey. Fourth grade students experience a sensory predator hunt, and fifth grade students participate in a red wolf predator / prey simulation activity.

Grades 4-5: Fossil Digging Expedition

2 hrs \$6.50

Dig through history by finding and collecting plant fossils at the Durham Coke Mine. **Maximum class size is 45 students.**

Grade 5: Orienteering

2 hrs \$6.50

Using maps, compasses, and rulers, students will work their way around the property finding hidden symbols. Before setting out on the property, students will get a brief lesson on how to use their maps and compasses. **Maximum class size is 30.**



Naturalist Classes

Cost: At Your School

- \$4 - \$6.50 per student (See Class Descriptions for maximum group sizes)
- \$130 Minimum Fee for one program at your school
- \$90 each for 2 or more programs at your school on the same day, with a maximum of three programs per day.
- Schools 20 miles or more from the Arboretum & Nature Center will also be charged mileage at 55.5 cents per mile.

Cost: At Chattanooga Arboretum & Nature Center

- \$4 - \$6.50 per student (See Class Descriptions for maximum group sizes)
- \$100 Minimum Fee for each program on site
- All programs at the Arboretum & Nature Center include a 30-minute tour of the Wildlife Wanderland, Boardwalk, and Discovery Forest Treehouse, weather permitting.

FABULOUS February SPECIALS

20% off Regular Rates for the indicated Programs at Your School or at the Arboretum & Nature Center (minimum fees still apply)

Grades PK-2: Winter Survival

40 min to 1 hr

\$4

Winter is the perfect time to take advantage of this class. Using hand puppets, a naturalist leads your students through an investigation of wildlife survival techniques including hibernation, migration, and food storage.

Maximum class size: 40



Grades PK-1: Creature Features

40 min to 1 hr

\$4

Students learn about features that animals use for survival, while meeting some of our native animals up close. Call for choice of animals. **Maximum class size: 40**



Grades K-5: Birds of a Feather

1 hr

\$5

Students learn what birds eat by studying their beaks and their feet, and they also meet some of our native raptors up-close. **Maximum class size: 50**



Grades K-1: Nocturnal Animal Senses

1 hr

\$5

Students learn about the main senses used by nocturnal animals by meeting some of our native animals and by participating in hands-on activities that demonstrate how animals use their senses at night. **Maximum class size: 50**



Grades 2-5: Nocturnal Animal Adaptations

1 hr

\$5

Students learn about nocturnal animal adaptations by meeting some native animals

and by participating in hands-on activities that demonstrate how animals use their senses at night. **Maximum class size: 50**



Grades 2-5: Predator / Prey Connection

1 hr

\$5

Students learn about the importance of the predator/prey relationship and then meet some of our native predator and prey animals. **Maximum class size: 50**



Grades 3-5: Animal Classification

1 hr

\$5

Students learn firsthand the characteristics scientists use to classify amphibians, reptiles, birds and mammals while meeting some of our animal ambassadors.

Maximum class size: 50



Grades 3-5: Creepy Crawlers

1 hr

\$5

Students learn about the adaptations of nature's most amazing creatures, as they meet some of our native reptiles and amphibians. **Maximum class size: 50**

Grades 4-5: Owl Pellet Dissection Lab

1.5 hrs

\$6.50

During this presentation and lab, students meet our resident owls and then identify the owl's diet by examining the skeletal remains found in the actual owl pellet.

Maximum class size: 50

EXPERIENCE NATURE AT YOUR OWN PACE WITH A SELF-GUIDED TRIP TO THE ARBORETUM & NATURE CENTER

Pre-Kindergarten: Self-Guided Wee Hike (Length determined by teacher) \$4.50

The Arboretum & Nature Center provides lesson plans and materials for an exciting self-guided excursion, where preschoolers learn that it's fun to be in the forest.

Age appropriate scavenger hunts available on request.

Grades K-5: Self-Guided Exploration (Length determined by teacher) \$4.50

Tired of being in the classroom all day? Bring your students to our outdoor classroom for art, math, language arts, science, and history, or just go for a nature walk. Set your own pace! Scavenger hunts are available for grades K-5 (request in advance). In case of rain self-guided programs need to be rescheduled due to limited indoor facilities.



SPECIAL JOINT TICKET PROGRAM

Grades K-8: Caves & Critters 3 hrs \$9

Students explore the most famous cave on Lookout Mountain and then at the Chattanooga Arboretum & Nature Center meet some of the critters that inhabit the southeastern forests.

MAXIMUM CLASS SIZE: 75

**CALL RUBY FALLS FOR RESERVATIONS
1-800-755-7105**



**FOR A LISTING OF HAMILTON COUNTY
LEARNING EXPECTATIONS AND
TENNESSEE SCIENCE CURRICULUM CONTENT
STANDARDS FOR EACH CLASS, VISIT OUR
WEBSITE AT WWW.CHATTANOOGAANC.ORG**



Since 1979 the Chattanooga Arboretum & Nature Center has led the way, providing Environmental Education to over half-a-million students in the Tri-State Region.



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