

2013-2014

ACADEMIC GUIDE

Grades 6 - 12



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.

Eco Math

3 hrs

\$8

Students use hands-on math to study ecological principles such as: estimating the size of a plant population, determining the air quality based on a study of lichens on trees, and studying biodiversity by graphing results of the plant species in a field habitat.

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, they will meet our Red Wolves in the Wildlife Wanderland.

Pond Study II

3 hrs

\$8

Students learn how to do a simple field research project while performing a pond water quality survey. They perform a pH test and collect invertebrates that are used as bio-indicators of water quality. Using the scientific method, they formulate a hypothesis, collect data, analyze their results, and prepare a simple report of their results.

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.

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.**

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

Grades 6 - 12: 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.

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 more than 20 miles away will be charged 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)



Bird Adaptations

1 hr

\$5

Students learn the specialized adaptations that birds possess for flight. They also meet some of our native raptors up close. **Maximum class size: 50**

Owl Pellet Dissection

1.5 hrs

\$6.50

Owls can be important indicators of ecosystem health! In this program, students meet an owl up close, learn its basic adaptations for life in the forest, and then experience how scientists can study small mammal populations by dissecting owl pellets. **Maximum class size: 50**



Herpetology

1 hr

\$5

Students meet some of our native reptiles and amphibians. Hands-on inquiry activities help students discover how important reptiles and amphibians are to biodiversity and to the balance of nature. **Maximum class size: 50**



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**



Rocks and Minerals Lab

1.5 hrs

\$5

Students learn to identify rocks and minerals at lab stations by testing for hardness, fracture, cleavage, luster, and other identification methods. (As an added feature for this class, they can also go on a fossil-finding trip to Durham Fossil Site, part of the Lula Lake Land Trust – Added Cost: \$4.50 per student) **Maximum class size: 30**

SPECIAL JOINT TICKET PROGRAM

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

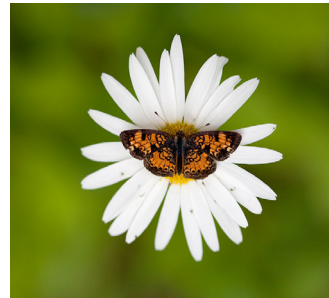
Students explore the most famous cave on Lookout Mountain and then at the Chattanooga Arboretum & Nature Center meet some of the critters that inhabit the southeastern forests.

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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