



Environmental Education Residential (Overnight) Classes

For confirmed reservations, please submit class selections at:
[Rock Eagle 4-H Center EE Class Selection Form](#)

3 day / 2 nights Class Planner		2 day / 1 night Class Planner	
Rock Eagle Day Class		Rock Eagle Day Class	
1		1	
2		2	
3		3	
4			
5			
Rock Eagle Night Class		Rock Eagle Night Class	
1		1	
2			
Independent Led Day Class		Independent Led Day Class	
1			
Independent Led Night Class		Independent Led Night Class	
1		1	
2			





Environmental Education Residential Class Descriptions

Our Environmental Education classes are divided by Day and Night Classes. Day classes are two hours long. Night classes are one hour long except for Historic Campfire. All classes are taught by Rock Eagle 4-H Staff except for Independent led classes.

Environmental Education Rock Eagle Staff Led Classes			
Day Classes			
Ecology	Living History	Outdoor Skills	Team Building
Lake Ecology <i>Macroinvertebrate Sampling</i> (2 Hours) Lake Assessment <i>Scientific Method</i> (2 Hours) Watershed Studies <i>Water Quality</i> (2 Hours) Herpetology <i>Reptiles</i> (2 Hours) Ornithology <i>Birds</i> (2 Hours)	Rock Eagle Hike <i>~2.5 mile roundtrip</i> (2 Hours) Pioneer Tools (2 Hours) Pioneer Life (2 Hours)	Canoeing <i>5th & up</i> (2 Hours) Orienteering <i>Compass</i> (2 Hours)	Team Building (2 Hours)
Night Classes			
Ecology	Living History	Outdoor Recreation	Just for Fun!
Ophiology <i>Snakes</i> (1 hour) Raptors <i>Birds</i> (1 hour) Sensory Awareness <i>Life at Night</i> (1 hour) Ichthyology <i>Fish Dissection</i> \$2.00/student extra cost (1 hour)	Historic Games (1 hour) Historic Campfire <i>Counts as two night classes</i> <i>Limit 75 or less participants</i> (2 hours)	Ultimate Frisbee (1 hour)	Campfire <i>S'mores and roasting sticks <u>NOT</u> provided, but you're welcome to bring your own!</i> (1 hour) Museum Tour (1 hour)



Day Classes

Ecology

LAKE ECOLOGY

2 Hours

- ☘ Be prepared to get your feet wet in this fascinating class. Students will use dip nets to collect and identify common organisms found in Rock Eagle Lake. Adaptations to an aquatic environment and characteristics of lakes will be discussed through exploration and hands-on activities. Students will need to bring appropriate shoes that can get wet and muddy. (Refer to shoe guide.)

LAKE ASSESSMENT

2 Hours

- ☘ Using the scientific method, students will investigate whether certain fish species can be raised in Rock Eagle Lake. Students will be guided through the seven steps of the scientific method while taking part in a real-life field study of Rock Eagle Lake. Students will have an opportunity to collect macro-invertebrates with dip nets and conduct water quality experiments to prove or disprove their hypothesis. Students will need to bring appropriate shoes that can get wet and muddy. (Refer to shoe guide.)

WATERSHED STUDIES

2 Hours

- ☘ Explore a Piedmont watershed and discover how humans impact bodies of water. Students will sample for aquatic organisms in our streams and discuss how watershed assessments help monitor the health of our groundwater and bodies of water. Final thoughts will include discussions focusing on students' actions for a healthier watershed. Students will need to bring appropriate shoes that can get wet and muddy. (Refer to shoe guide.)

HERPETOLOGY (REPTILES)

2 Hours

- ☘ Students get the opportunity to handle, observe, and learn about reptiles and amphibians. Characteristics and adaptations of snakes, turtles, alligators, toads, frogs, and more will be discussed. Also, many of the misconceptions about these beneficial, but often misunderstood animals, will be dispelled.

ORNITHOLOGY (BIRDS)

2 Hours

- ☘ Come discover the wonderful world of birds! This 2-hour class will consist of a bird walk (with binoculars and field guides) and a visit with our Rock Eagle Raptors. Bird adaptation, identification, and ecological importance will be stressed in this interactive class. Due to similarities, this class is not recommended to take with the evening class Raptors.



Living History

ROCK EAGLE HIKE

2 Hours

- ✿ Take a hike (about 2.5 miles) to Rock Eagle’s namesake, the Rock Eagle Mound! Students will learn about local flora and fauna along the trails. At the top of the trail, they will climb a 40-foot tower to observe the effigy while learning about the historic mound.

PIONEER TOOLS

2 Hours

- ✿ Learn about simple machines using time-appropriate tools of the 19th century. Students will tour the homestead to learn about the history of the land and use tools to make wooden shingles.

PIONEER LIFE

2 Hours

- ✿ Learn about the lives of people in 19th century Georgia and participate in chores associated with daily farm life, including feeding animals and doing laundry. Students will tour recreated 19th century buildings and interact with artifacts from the time period to learn about early Georgians.

Outdoor Skills

CANOEING

2 Hours

- ✿ Head out on the lake for this water-based adventure! Canoeing techniques, water safety, and procedures will be covered by the instructor before students venture out onto the water to try canoeing for themselves. All participants must wear shoes and a personal flotation device (life jacket) at all times.
- ✿ 5th grade & up

ORIENTEERING

2 Hours

- ✿ Students will be taught how to use a topographical map, a compass, and how to pace. They will learn why these skills are important even in today’s world of technology.

Team Building

TEAM BUILDING

2 Hours

- ✿ Groups focus on the principles of team building by working through a progression of initiatives and elements. Each activity will focus on a different aspect of the team. These aspects may include goal setting, trust, problem solving, planning, or group cohesion. Most groups will progress onto the low challenge elements during this class. Add fun to team building and you have a recipe for success. This course is physically and mentally challenging for groups.

Night Classes

Ecology

OPHIOLOGY (SNAKES)

1 Hour

- ✿ This hands-on class is a great introduction to one of the most feared creatures in the world — Snakes! Students (and adults) will be able to touch and hold snakes in this informative 1-hour class that dispels many of the myths about these animals.
- ✿ *(Not available if taking the Herpetology Class and limited for groups less than 100 students.)*

RAPTORS (BIRDS)

1 Hour

- ✿ Visit with our Rock Eagle Raptors in this one-hour class. Students will gain an understanding of the ecological importance of raptors and their special adaptations that allow them to be the top of the food chain!
- ✿ *(Not available if taking Ornithology and limited for groups less than 100 students.)*

SENSORY AWARENESS

1 Hour

- ✿ Experience the sights and sounds of Rock Eagle at night and learn how nocturnal animals use their senses. Activities may vary due to seasonal constraints and weather.

ICHTHYOLOGY (FISH DISSECTION)

1 Hour

- ✿ Through perch dissection, students will explore the internal and external anatomy of a perch!
- ✿ ***There is an additional \$2.00 fee per student.***

Living History

HISTORIC GAMES

1 Hour

- ✿ Students will learn about elements of American history while playing games. Some of the games included in this class were authentically played by Native Americans or European settlers, while others are inspired by their history and culture.

HISTORIC CAMPFIRE

2 Hours

- ✿ Students will learn about the history of Georgia by interacting with some of its cultural elements, including games, songs, dances, stories, or other activities related to an old-fashioned campfire. This campfire will be held at the Irby Hudson Scott historic site and will include a guided quarter mile walk into the woods.
- ✿ *(2-hour class – Limited for groups less than 75 participants.)*

Outdoor Recreation

ULTIMATE FRISBEE 1 Hour

- ✿ Ultimate is a field based recreational game. Two teams compete to toss a disc to one another until they cross the opponent's goal; possession changes hands when the disc is intercepted or touches the ground. Ultimate is a great way for students to enjoy playing off the excitement from the day.

Just for Fun!

CAMPFIRE 1 Hour

- ✿ The campfire program at Rock Eagle provides students with an opportunity to participate in recreational and social activities. An hour of storytelling, songs, skits, and legends around a burning campfire can be a welcome addition to your outdoor experience. S'mores and roasting sticks are NOT provided, but feel free to bring your own to enjoy after Rock Eagle staff concludes their program.

MUSEUM TOUR 1 Hour

- ✿ Take a tour of the 4-H Natural History Museum. Learn about Georgia history, plants and animals, dinosaurs, agriculture, the Rock Eagle 4-H Center story, and many other items in this fascinating glimpse of the past, present, and future.
- ✿ *(Limited for groups less than 100 students.)*

Updated: July 2024