

**SEMINOLE COUNTY
NATURAL LANDS-
ED YARBOROUGH
NATURE CENTER**

Learn from experts!

Get up close with creatures!

Make new discoveries!

Field Trips to the Geneva Wilderness Area

Come visit the Ed Yarbrough Nature Center at the Geneva Wilderness Area for a day of exploration, discovery and fun!

We invite you to engage your students beyond worksheets and screens, into a unique hands-on, inquiry-based, outdoor experience! Every trip includes a guided nature hike and up-close animal program in the Nature Center.

Program Themes

- 🍃 Eco Essentials (grades k-2)
- 🍃 Living or Nonliving? (grades k-2)
- 🍃 Native or Not? (grades 3-5)
- 🍃 Amazing Adaptations (grades 3-7)
- 🍃 Dealing with Defensive Creatures (grades 4-8)
- 🍃 Ecosystem Explorers (grades 8-12)

Dates

 Mon, Tue, Thur, Fri
10:00 AM- 1:00 PM

Location

 3485 N CR 426
Geneva FL 32732

Price
\$5
/student
Adults are
FREE!

For more details,
keep scrolling!

407-665-2211

nswanson@seminolecountyfl.gov

Seminole County Natural Lands Environmental Education Program Detailed Information

Geneva Wilderness Area and the Ed Yarborough Nature Center can serve as wonderful informal classrooms and provide a great opportunity for first-hand experiential learning for K-12 students. Students will visit with our live animal residents, engage with exhibits and displays and explore natural habitats in the wilderness area. Field trips are open to public, private and home school groups as well as scout troops.

Sample Schedule (2 rotations) (15-60 students):

10:00 a.m. – Buses/families arrive at front kiosk

10:15 – Interactive environmental education program in Nature Center

11:15 – Hike through habitats around lake at Geneva Wilderness Area

12:15 – Lunch @ North Pavilion

12:50 – Final Q&A session, load buses, goodbyes

Sample Schedule (3 rotations) (60-90 students):

10:00 am – Buses arrive at the front kiosk

10:15 – Interactive environmental education program in Nature Center

11:00 – Hike through habitats around lake at Geneva Wilderness Area

11:45 – Nature Activity/Game at North Pavilion

12:30 – Lunch @ North Pavilion

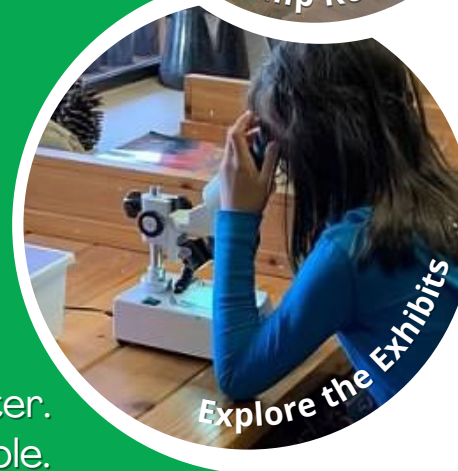
1:00 – Final Q&A session, load buses, goodbyes

Curriculum

The up-close animal program takes place in the Nature Center. Please see the list of nature-themed lessons that are available. We can also create a customized program that can be tailored to teach a specific natural science concept to align with students' current lessons/standards. Staff requires 2 weeks' notice if requesting a custom program.

Dates

Field trip programs run on Mondays, Tuesdays, Thursdays and Fridays. We can accommodate 3 classes of up to 30 students per day. If there are many classes who would like to participate, we can deliver the program on multiple days, so everyone has a chance to join. Consolidating classes is also an option that can be discussed.



Environmental Education Programs

Eco Essentials (grades K-2) - All animals need food, water, shelter and space for survival. Meet some native animals and decide how their needs compare to our own.



Living or Nonliving? (K-2) - What makes some things alive and other things not alive? Learn to differentiate with examples from nature. See up close what plants, animals and humans have in common.



Native or Not? (grades 3-5) - Can you tell which creatures are native to our state? Discover ways you can help keep invasive species out of Florida ecosystems.



Amazing Adaptations (grades 3-7) - What are adaptations and how do they help animals survive? Discover what makes Central Florida animals uniquely suited to local habitats.



Dealing with Defensive Creatures (grades 4-8) - Are venomous snakes bad? Some animals are born with venom, poison or less-than-friendly dispositions. Learn about animal defenses and how to stay safe while appreciating wildlife.



Ecosystem Explorers (grades 8-12) - Why don't we see polar bears in Florida? Why do we use prescribed burning in local ecosystems? Practice ecological concepts while exploring the 180-acre Geneva Wilderness Area.



Fee: \$5 per student. Teachers and chaperones are FREE. Can be cash or checks, separate or combined. Please collect all moneys ahead of time. Payment is due on arrival. If paying using a credit or debit card, a staff member will assist you in creating an account through our web registration system to pay online. Card payments must be made before your group arrives for the program. Checks should be made out to "Natural Lands- Seminole County BOCC".

*Note: the minimum number of paying guests is 15. If you have fewer than 15 students, the group will be charged the flat minimum fee of \$75.

What to Wear/Bring: All participants should wear long pants or shorts (no skirts) and closed-toed comfortable shoes. Depending on the conditions, participants may also want to bring a hat, sunscreen, a sweater and/or bug spray. Everyone should bring a water bottle and lunch. Group leader should bring any paperwork or moneys upon arrival.

Attendance: the minimum attendance is 15 guests. We can accommodate up to 90 students per day.

Lessons Aligned with Standards

Field Trips to the Ed Yarborough Nature Center are not just fun, they align with Florida state benchmarks. Our nature center programs can be used as an engaging introduction to new topics, or as a way to deepen students' understanding of content.

Eco Essentials

Standard	Grade	Description	Complexity
SC.K.L.14.3	K	Observe plants and animals, describe how they are alike and how they are different in the way they look and in the things they do.	Level 2
SC.1.L.14.1	1	Make observations of living things and their environment using the five senses.	Level 1
SC.2.L.17.1	2	Compare and contrast the basic needs that all living things, including humans, have for survival.	Level 2
SC.2.L.17.2	2	Recognize and explain that living things are found all over Earth, but each is only able to live in habitats that meet its basic needs.	Level 2

Living or Nonliving?

Standard	Grade	Description	Complexity
SC.1.E.6.1	1	Recognize that water, rocks, soil, and living organisms are found on Earth's surface.	Level 1
SC.1.L.14.1	1	Make observations of living things and their environment using the five senses.	Level 1
SC.1.L.14.3	1	Differentiate between living and nonliving things.	Level 3

Native or Not?

Standard	Grade	Description	Complexity
SC.3.N.3.1	3	Recognize that words in science can have different or more specific meanings than their use in everyday language; for example, energy, cell, heat/cold, and evidence.	Level 2
SC.4.L.17.4	4	Recognize ways plants and animals, including humans, can impact the environment.	Level 3
SC.5.L.17.1	5	Compare and contrast adaptations displayed by animals and plants that enable them to survive in different environments such as life cycles, variations, animal behaviors and physical characteristics	Level 2



Standards Continued

Amazing Adaptations

Standard	Grade	Description	Complexity
SC.3.L.17.1	3	Describe how animals and plants respond to changing seasons.	Level 2
SC.5.L.15.1	5	Describe how, when the environment changes, differences between individuals allow some plants and animals to survive and reproduce while others die or move to new locations.	Level 3
SC.5.L.17.1	5	Compare and contrast adaptations displayed by animals and plants that enable them to survive in different environments such as life cycles, variations, animal behaviors and physical characteristics	Level 2
SC.4.L.16.2	4	Explain that although characteristics of plants and animals are inherited, some characteristics can be affected by the environment.	Level 3
SC.7.L.17.3	7	Describe and investigate various limiting factors in the local ecosystem and their impact on native populations, including food, shelter, water, space, disease, parasitism, predation, and nesting sites.	Level 3
SC.7.L.15.3	7	Explore the scientific theory of evolution by relating how the inability of a species to adapt within a changing environment may contribute to the extinction of that species.	Level 3

Dealing with Defensive Creatures

Standard	Grade	Description	Complexity
SC.4.L.16.3	4	Recognize that animal behaviors may be shaped by heredity and learning.	Level 3
SC.4.L.17.2	4	Explain that animals, including humans, cannot make their own food and that when animals eat plants or other animals, the energy stored in the food source is passed to them.	Level 2
SC.5.L.17.1	5	Compare and contrast adaptations displayed by animals and plants that enable them to survive in different environments such as life cycles, variations, animal behaviors and physical characteristics	Level 2
SC.7.L.17.2	7	Compare and contrast the relationships among organisms such as mutualism, predation, parasitism, competition, and commensalism.	Level 2

Ecosystem Explorers

Standard	Grade	Description	Complexity
SC.912.L.17.6	9-12	Compare and contrast the relationships among organisms, including predation, parasitism, competition, commensalism, and mutualism.	Level 2
SC.912.L.17.4	9-12	Describe changes in ecosystems resulting from seasonal variations, climate change and succession.	Level 2
SC.912.L.17.8	9-12	Recognize the consequences of the losses of biodiversity due to catastrophic events, climate changes, human activity, and the introduction of invasive, non-native species.	Level 3
SC.912.L.17.12	9-12	Discuss the political, social, and environmental consequences of sustainable use of land.	Level 3

