

Build-Your-Own Herbarium Fieldtrip

Bear Creek Educational Forest

8125 Pat Thomas Parkway, Quincy, FL 32351
Genevieve.Printiss@fdacs.gov (850) 597-6501

Assists with Standards:

SC.912.L.17.8
SC.7.L.17.3
SC.7.E.6.6
SC.5.L.15.1
SC.4.L.17.Su.1
SC.3.L.17.1
SC.2.E.6.3
SC.1.L.14.2
SC.1.L.17.1
SC.K.L.14.3

Program Schedule

- 9:00am—Arrive
- 9:00-9:15—Settle in, bathrooms, water break, explore classroom (entire classroom is student friendly)
- 9:15-9:40—Student Q and A, introductory presentation, feed classroom toads
- 9:40-9:50—Distribute collection bags, review hiking safety
- ~9:50-11:15—Hike the Talking Tree and Creek Bottom Trails, stopping to identify plants, discuss ecology, look for wildlife, and collect leaf samples
- 11:15-11:45—Return to classroom. This is often the best time for a snack/lunch break
- 11:45-12:15—Discuss our hike, create Herbariums
- 12:30- Program conclusion

Program conclusion time is based on your classes travel needs. Program can be extended or shortened as needed. Program will conclude 15 minutes before your expected departure time. Program intended for 1st-12th grades.

Students will be provided with collection bags, identification stickers (with both common and scientific names), and a herbarium book to take home. During our hike, students will stop to collect samples from each species we discuss. Students will then add samples to their herbarium once we return to the class-room. Identification help will be projected on our board, and our Foresters will be available to assist with sample sorting, etc. as needed. All presentation material is available ahead of time upon request.

Forester for a Day Fieldtrip

Bear Creek Educational Forest

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SC.7.L.17.3

SC.7.E.6.6

SC.5.L.17.1

SC.5.L.15.1

SC.4.L.17.4

SC.4.E.6.3

SC.3.L.14.1

SC.2.L.17.2

Program Schedule

- 9:00am—Arrive
- 9:00-9:15—Settle in, bathrooms, water break, explore classroom (entire classroom is student friendly)
- 9:15-9:30—Student Q and A, feed classroom toads
- 9:30-10:00—Introductory presentation. Presentation will include topics such as Forestry careers and educational requirements, forest products, multi-use management, fire ecology, biodiversity, planting styles, Forestry history, and Forestry tools.
- 10:00-10:30—Head outside to practice our tools. Skills practiced include counting your pace, using a Clinometer, using a Diameter Tape, and classifying trees.
- 10:30-11:15— Hike the Creek Bottom Trail (0.5 miles). During the hike, we will learn about fire dependent ecosystems, core a pine tree, practice plant identification and map reading, and look for wildlife. We will also visit a recent multi-use tree farm planting.
- 11:15-12:00—Return to classroom. This is often the best time for a snack/lunch break
- 12:00-12:30— Review what we learned, Q and A, in-depth career discussion (age specific), program wrap up
- 12:30- Program conclusion

Program conclusion time is based on your classes travel needs.

Program can be extended or shortened as needed. Program will conclude 15 minutes before your expected departure time. Program intended for 2nd-12th grades.

Ecosystem Exploration Fieldtrip

Bear Creek Educational Forest

8125 Pat Thomas Parkway, Quincy, FL 32351

Genevieve.Printiss@fdacs.gov (850) 597-6501

Assists with Standards:

SC.912.L.17.4

SC.912.L.17.8

SC.912.N.1.1

SC.912.E.7.Su.5

SC.912.E.7.Pa.4

Program Schedule

- 9:00am—Arrive
- 9:00-9:15—Settle in, bathrooms, water break, explore classroom (entire classroom is student friendly)
- 9:15-9:30—Student Q and A, feed classroom toads
- 9:30-10:00—Introductory presentation. Presentation will introduce our project and cover topics such as topogra-phy, map reading, soil sampling (basic), plant identification, ecosystem delineation, and hand weather machine use
- 10:00-10:15— Split into groups of 3-6 students, determine roles (note taker, team lead, soil sampler, weather tech, botanist)
- 10:15-~11:45— Visit sites 1-3 and complete the worksheet for each site.
- ~11:45-12:15—Return to classroom. This is often the best time for a snack or lunch break
- 12:15-12:45—Discuss our program, calculate team averages, discuss results
- 1:00- Program conclusion

Program conclusion time is based on your classes travel needs. Program can be extended or shortened as needed. Program will conclude 15 minutes before your expected departure time.

The Ecosystem Exploration Program encourages students to describe and compare three different forest ecosystems by utilizing our handheld weather stations, sampling soils, identifying plants, and searching for wildlife signs. Sampling sites include an “Urban Forest” outside our classroom, “Wetland Forest” along Bear Creek, and “Sandhill Forest” across the Pond.

Students are expected to work in small groups to collect and record data with the help from our Educational Foresters. Student worksheets are available by request ahead of the program. Please expect students to get dirty during our soil digs. Program is best suited for 9th-12th grades.

Macro-Organism Fieldtrip

Bear Creek Educational Forest

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Assists with Standards:

SC.912.N.1.1

SC.7.L.17.3

SC.7.E.6.6

SC.4.L.16.4

SC.1.L.17.1

Program Schedule

- 9:00am—Arrive
- 9:00-9:15—Settle in, bathrooms, water break, explore classroom (entire classroom is student friendly)
- 9:15-9:30—Student Q and A, feed classroom toads
- 9:30-10:00—Introductory presentation. Presentation will introduce our program and cover topics such as water quality, complete vs incomplete metamorphosis, indicator species, and sampling safety.
- 10:00-10:20—Hike the Talking Tree Trail (paved; 0.2 miles) down to the pond overlook
- 10:20-11:15— Take water samples and bring them to the overlook for exploration, identify microor-ganisms, record what we find
- 11:15-12:00—Return to classroom. This is often the best time for a snack/lunch break
- 12:00-12:30— Review what we learned, Q and A, determine if we have “healthy water”
- 12:30- Program conclusion

Program conclusion time is based on your classes travel needs.

Program can be extended or shortened as needed. Program will conclude 15 minutes before your expected departure time.

Program intended for 1st-12th grades.

Wildland Firefighting Fieldtrip

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Assists with Standards:

SC.3.L.17.1

SC.4.L.17.4

SC.4.L.17.Su.1

SC.5.L.15.1

SC.5.L.17.1

SC.7.E.6.6

SC.912.E.7.5

SC.912.L.17.8

Program Schedule

- 9:00am—Arrive
- 9:00-9:15—Settle in, bathrooms, water break, explore classroom (entire classroom is student friendly)
- 9:15-9:30—Student Q and A, feed classroom toads
- 9:30-10:00—Introductory presentation. Topics covered will include wildfire vs. prescribed fire, fire ecology, and the fire triangle.
- 10:00-10:30— Head outside and meet our Wildland Firefighters. Explore our safety equipment, discuss career options, try on our gear, learn about fire shelters.
- 10:30-~10:45— Fire shelter race against Wildland Firefighters
- ~10:45-11:15— Explore a Firefighting Bulldozer, spray a fire hose (if available)
- 11:15-11:45—Return to classroom. This is often the best time for a snack/lunch break
- 11:45-12:15— Putting out a fire. Students practice putting out a small fire in a controlled environment using a shovel with sand.
- 12:30— Program conclusion

During seasons of safe fire weather, activities can be swapped for a small prescribed fire demonstration. Program conclusion time is based on your classes travel needs. Program can be extended or shortened as needed. Program will conclude 15 minutes before your expected departure time. Program intended for 3rd-12th grades.

Fire Prevention Fieldtrip

Bear Creek Educational Forest

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Assists with Standards:

SC.K.L.14.3

SC.1.L.17.1

SC.2.L.17.2

SC.3.L.14.2

Program Schedule

- 9:00am—Arrive
- 9:00-9:15—Settle in, bathrooms, water break, explore classroom (entire classroom is student friendly)
- 9:15-9:30—Student Q and A, feed classroom toads
- 9:30-~9:45— Meet a Wildland Firefighter. Discuss their day-to-day, allow students to share their personal stories related to fire.
- ~9:45-10:00— Wildfire vs. Prescribed Fire
- 10:00-10:45— Hike the Talking Tree Trail (paved, .2 miles)
- 10:45-11:00—Bathroom, snack break
- 11:00-11:45— Smokey Story, art for Smokey. Students will be given art sheets and told to draw a Wildland Firefighter or something they saw on the hike. When Smokey is called in, they will give him their art.
- 11:45-12:15— Meet Smokey, try on our fire fighting gear
- 12:30—Program conclusion

Program conclusion time is based on your classes travel needs.

Program can be extended or shortened as needed. Program will conclude 15 minutes before your expected departure time.

Program is intended for students K-3rd. Fire Prevention Clown available on request.