

Cape Fear Botanical Garden Field Trip Guide 2019-2020

Walking tours and hands-on projects match various objectives within the North Carolina Essential Standards for Science and other subjects.



FIELD TRIP OPTIONS

Programs are maximum 25 children per class. The Garden can accommodate multiple classes per morning. Please inquire about afternoon and weekend availability.

Option One:

Walking Tour OR Hands-On Program Combo

\$100 per class (25 students max per class)
Approx. 45 minutes-1 hour 15 minutes*

Option Two:

Walking Tour AND Hands-On Program

\$150 per class (25 students max per class)
Approx. 2-2.5 hours*

*Add one hour if you plan to eat lunch at the Garden

WALKING TOURS

Nature Discovery Hike

Targeted For: All ages.

The Garden teems with fascinating plants, animals and their signs. Ramble around and let the children's keen sense of discovery direct what we learn.

Flower Investigation

Targeted For: 1st, 3rd and 6th Grade

What are the different parts of a flower and how are they used in pollination to create new flowers? Children will discover the answers and more during this interactive tour, while they investigate seasonal flowers growing in the Garden on this flat terrain hike.

Forest Exploration

Targeted For: 1st and 3rd Grade

An elementary level forest walk on flat terrain. Observe plants, animal signs, habitats, and the Cross Creek. Discuss how animals depend upon the forests, the river, and the creek.

Heritage Farm Tour

Targeted For: 3rd, 4th, and 5th Grade

Explore life on a NC farm at the turn of the 20th century. This tour includes a look at four historical buildings and our heritage garden. The tour discusses themes like human environmental impacts, how technology has changed our way of life, and how the food we eat depends on the environment around us.

HANDS-ON PROGRAMS

Texture Hunt

Targeted for: Pre-K and K

Use your five senses, especially touch, to explore the Garden. Learn vocabulary and find natural objects of various textures to be used for a craft.

Reptiles

Targeted for: K, 1st, 2nd, 4th and 5th grade

Discover the diversity of reptile characteristics. Then, meet some real live reptiles! For the health of our resident reptiles, we can only accommodate two classes per day for this topic.

Vermicomposting (Worms!)

Targeted for: 1st, 2nd, and 3rd grade

Discuss where worms live, their adaptations and how they are used to “vermicompost”. Explore a worm compost bin for live creatures.

Seeds and Sprouts

Targeted for: 1st and 3rd grade

See what is inside a seed, learn how they grow, and how they travel. Plant your own seed to take home and watch grow.

Soil Scientists

Targeted for: 1st and 3rd grade

Explore sand, humus and clay by getting your hands good and soil-y! Become a junior soil scientist by using tools to take a soil sample to determine which soils are found in the Garden.

Butterfly Bonanza

Targeted for: 1st, 2nd and 5th grade

Review the butterfly life cycle by looking for real eggs, larvae and adult butterflies and moths. Recommended April-October.

Pond Study

Targeted for: 2nd and 5th grade

Be prepared to get your hands muddy as we explore the pond in search of tadpoles, fish and dragonfly nymphs! For the health of our pond critters, we can only accommodate two classes per day for this topic. (Recommended April- October.)

Insect Adaptations

Targeted for: 2nd, 4th, and 5th grade

Insects can be found in all different types of habitats, but how do they survive? Learn about the different characteristics that help insects survive through hands on activities. Try and catch insects in our Garden to get an up close look at the different adaptations of insects. (Recommended April- October.)

Plants and Photosynthesis

Targeted for: 3rd, 5th and 6th grade

Engage in a variety of activities to understand the processes by which plants use sunlight, water, and carbon dioxide to create oxygen and sugars.

Ecosystems

Targeted for: 5th and 6th grade

Understand how biotic and abiotic factors play an important role in a variety of ecosystems. Discuss the food web using hands-on activities to see how everything is connected.

Custom Programming Available

Are you looking for a different topic? Custom programming may be available for older students, scout badge work, and envirothon

What are Explorations?

Explorations are designed as in-depth hands-on and learned basic vocabulary and concepts. Explorations have already participated in an hour-long off-site

How Much Does it Cost?

Explorations are priced the same as a hands-on program combined with a hike. If your field trip is within

Weather Reporters

Grades: 2nd and 5th

Pre-requisite: Wacky Weather Classroom Program

Create a weather report using thermometers, wind vanes, cloud observation guides, and a rain gauge. Also discuss extreme weather events at the Garden on a short tour.

Butterfly Catchers

Grades: 1st - 2nd

Pre-requisite: Transformations or Remarkable Reptiles Classroom Program

Review the butterfly life cycles and discuss the importance of butterflies as native pollinators. Then use butterfly nets to catch live butterflies. This program is only available March-Sep.

What's Growing on Here?

Grades: PreK-3rd

Pre-requisite: Seeds and Sprouts or Soil Science Classroom Program

Tour the Heritage Farm Garden for a chance to see fresh fruits and vegetables growing. Discuss what different plants need to grow and enjoy a Garden scavenger hunt. Also see our compost pile and bee hive. This tour may have seasonal availability.

Pond Exploration

Grades: 1st-2nd and 4th-5th

Pre-requisite: Remarkable Reptiles, Transformations, or Animal Detectives Classroom Program

Find out what cool critters are living in the Garden's pond. We'll use nets to dip and students will have the chance to hold animals like tadpoles, crayfish, and dragonfly nymphs. All grades discuss the life cycles and adaptations of pond animals. 5th graders also consider the food chain in the pond ecosystem.

Animal Trackers

Grades: 1st-2nd and 4-5th

Pre-requisite: Remarkable Reptiles or Animal Detectives Classroom Program

Students will explore our animal track scavenger hunt, using clues to guess who left each track. We'll also look for real animal signs in the Garden.

Life in the Soil

Grades: 1st and 3rd

Pre-requisite: Soil Science Classroom Program

Use shovels, bug boxes, and soil sifters to explore life in the soil. Students will learn the importance of top soil and humus and have a chance to observe millipedes, pill bugs, and other critters up-close.

Frequently Asked Questions

How do we book a trip? Fill out the [online registration form](#) found at capefearbg.org under the Education tab. Dates are reserved by order of completed forms received. Please be sure to provide an email you check frequently, as important details will be emailed ahead of your visit.

New for
2019-2020!

How many chaperones do we need? We ask for a minimum of one adult per ten children and one adult per seven children for second grade and below. There is no charge for teachers, bus drivers and school staff. Additional chaperones pay a discounted admission rate of \$5 per person.

How do we pay? A \$25 check is required to hold your reservation. Deposits are not cashed and will only be used for groups who do not show up without calling the Garden. Full payment is due on the date of your program; VISA, Master Card, and checks are accepted. Please present a single form of payment the day of your trip for all participants. If submitting cash, please submit only large bills. The \$25 deposit may be applied to your total balance or it may be returned to you.

Where do the buses park? There are three large bus parking spots just past the visitor parking area. Children may unload from these bus spaces. Garden staff and volunteers will be on hand to assist.

What happens once we arrive? A Garden educator will be waiting at least 15 minutes prior to your scheduled arrival. Please call (910) 486-0221 if you will be more than 15 minutes early or late. Once children are organized into classes, the programs can begin!

What should we wear? Soil, water, and mud are the norm- and all programs are held outside. **Please dress for the weather** (including sweaters in March and early April!) and wear closed-toed shoes. Please refrain from wearing scented perfumes or body sprays that may attract insects!

Where do we eat lunch? The Garden has a large covered picnic area available for lunch. Lunch time will take place AFTER scheduled programming concludes. Lunches should be placed in coolers or boxes prior to arrival to the Garden. Please do not allow students to carry individual lunches during programs. Lunches will be transported for you. There are no water fountains on the trails so please be sure to bring

water as needed. Recycling and trash containers are provided.

What if it rains? Programs are conducted outdoors in all but severe weather. If severe weather is present, an attempt to reschedule your group will be made. Sometimes a little rain makes the best field trip memories!

Can we visit the Gift Shop? Absolutely! The Garden Gift Shop offers garden and nature related items for of all ages. Please inform us at the time of registration if you plan to visit the Gift Shop. We are happy to assist with sending small groups of students through the shop.

Is the Garden accessible to students of all abilities? Standard wheelchairs can travel most paths and trails, (except the River Trail), as long as the pusher is able to help negotiate occasional obstacles. For all but the River Hike Tour, golf carts can be reserved for \$25/hour, which includes a driver from the Garden. Please make sure to reserve a golf cart at the time of reservation.

How do we best prepare students for a visit? The Garden is essentially a 'plant museum' so picking is not permitted unless called for by the guide or instructor. Any animals encountered are wild and should not be approached or chased. Running on trails is discouraged.

I have another question not addressed here. Please contact Barbara Goldentyer, Environmental Education Manager at bgoldentyer@capefearbg.org or (910) 486-0221 x43.

Correlation to NC Essential Standards

Guided Walking Tours	PreK	K	1 st	2 nd	3 rd	4 th	5 th	6 th
Nature Discovery Hike	✓	K.P.2 K.L.1 EX.K.L.1	1.L.1 1.L.2 EX.1.L.2	EX.2.L.2	3.L.2		5.L.2 5.L.3	
Flower Promenade			1.L.1 1.L.2	2.L.2 EX.2.L.2	3.L.2 EX.3.L.2		5.L.1 5.L.2 5.L.3	
Urban Forest			1.E.2 1.L.1 1.L.2	2.G.2 EX.2.L.2	3.E.2 3.L.2	4.L.1	5.L.2	6.L.2
Heritage Farm Tour					3.G.1.2 3.G.1.3 3.E.1.2	4.G.1.2 4.G.1.3 4.G.1.4	5.G.1.2 5.G.1.3 5.C.1.4	

Hands-On Programs	PreK	K	1 st	2 nd	3 rd	4 th	5 th	6 th
Texture Hunt	✓	K.P.2						
Reptiles		K.L.1	1.L.2	2.L.2		4.L.1 EX.4.L.1	5.L.2	
Vermicomposting		K.L.1	1.E.2 1.L.1 1.L.2	2.L.1 2.MD.1 EX.2.L.2	3.L.2		5.L.2	
Seeds and Sprouts			1.L.1 1.L.2	EX.2.L.2	3.L.2 EX.3.L.2		5.L.1 5.L.2	6.L.1 EX.6.L.1
Soil Scientists			1.E.2 1.L.1 1.L.2		3.E.2 3.L.2 EX.3.L.2			
Butterfly Bonanza			1.L.1 1.L.2	2.L.1 2.L.2 EX.2.L.2			5.L.2 5.L.3	
Pond Study				2.L.1			5.L.2	
Insect Adaptations				2.L.2 EX.2.L.2		4.L.1 EX.4.L.1	5.L.1 5.L.2 5.L.3	

Plants and Photosynthesis					3.L.2 EX.3.L. 2		5.P.2 5.L.1 5.L.2	6.L.1 6.L.2 EX.6.L. 1
Ecosystems							5.L.2 EX.5.L. 2	6.L.2 EX.6.L. 2

Explorations	PreK	K	1 st	2 nd	3 rd	4 th	5 th	6 th
Weather Reporters				2.E.1			5.E.1	
Butterfly Catchers			1.L.1 1.L.2	2.L.1				
What's Growing on Here?	✓	K.P.1 K.P.2 K.L.1.2	1.L.2	2.L.2	3.L.2			
Pond Exploration			1.L.2.2	2.L.1		4.L.1	5.L.2	
Animal Trackers			1.L.1.2 1.L.2.2	2.L.1		4.L.1.2	5.L.2	
Life in the Soil			1.E.2.1		3.L.2.4			