

Cape Fear Botanical Garden

Field Trip Guide 2016-2017

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



FIELD TRIP OPTIONS

Option One:

Walking Tour OR Hands-On Program

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

Option Two:

Walking Tour AND Hands-On Program Combo

\$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 animal signs. Ramble around and let the children's keen sense of discovery direct what we learn.

Urban Forest Hike

Targeted For: 1st and 3rd Grade

An elementary level forest walk on flat terrain. Observe plants, animal signs and habitats. Discuss the value of floodplains and urban forests.

Flower Promenade

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

What are the different parts of a flower and how are they used in pollination to create the next generation? Children will discover the answers during this interactive tour.

River Hike

Targeted For: 3rd and 5th Grade

This popular, hilly woodland adventure examines ecological conditions, plants and animals on the banks of the Cape Fear River. Unfortunately, this tour is not wheelchair accessible.

Limited Time Only!

Nature Connects® Tour

Visit multiple sculptures made by Sean Kenney using LEGO® bricks. Your tour guide will discuss the nature & garden connections in each sculpture. This tour is only available from October 3, 2016 through January 8, 2017. Learn more about Sean Kenney at: www.seankenney.com

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 on a craft.

NEW! Reptiles

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

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

Vermicomposting

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

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

Super Soils

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.

Custom Programming Available

Are you looking for a different topic? Are you looking for programming for a group of older students? Are you a scout group looking to meet badge requirements? Custom programming may be available.

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.

NEW! Pond Study

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

Discuss aquatic food chains, metamorphosis, and see pond critters up close. Be prepared to get your hands muddy as we explore the pond in search of tadpoles, fish and dragonfly nymphs! Recommended April- October. **Note:** For the health of our pond critters, we can only accommodate two classes per day for this topic.

Insect Adaptations

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

Learn about adaptations that help insects survive in all types of habitats. Catch and observe live specimens to help understand adaptive concepts. 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.

Frequently Asked Questions

How do we book a trip? Fill out the **online registration form** found at capefearbg.org on the Learn and Connect tab, and select Field Trips on the drop-down menu. An email confirmation will be sent to you. 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.

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 and bus drivers. 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 (please no wads of ones and fives). 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 arrival. Please call (910) 486-0221 if you will be more than 15 minutes early or late. Once the groups 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** 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 time. 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. Staff may contact you between 7am-9am the day of your trip should the forecast look unfavorable. An attempt to reschedule your group may 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 so we can plan 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 for 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. The Wyatt Visitors Pavilion Complex is American Disability Association Compliant.

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 Bonnie Eamick, Environmental Education Coordinator, at beamick@capefearbg.org or (910) 486-0221 x27.

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
River Hike					3.E.2 3.L.2	4.L.1	5.L.1 5.L.2	6.L.2
Nature Connects®		K.L.1			3.L.2		5.L.2	

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
Super Soils			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 Exploration			1.L.1 1.L.2 EX.1.L.2	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