

# EXPLORE & LEARN

The Cape Fear Botanical Garden is proud to offer **FREE** environmental education classroom programs for Cumberland County Schools. For these programs, a trained environmental educator will come to your classroom. Our six classroom programs are adjusted for specific grade levels and meet grade level learning objectives based on NC Essential Science Standards. All programs are 30 minutes long with an option of a 30 minute extension.

## How much does it cost?

The 30 minute extension program is **\$1.50 per student** to cover the cost of materials. See Q&A for private school or out-of-county pricing.

### Option One: Classroom Program

**Free (30 students max per class)**

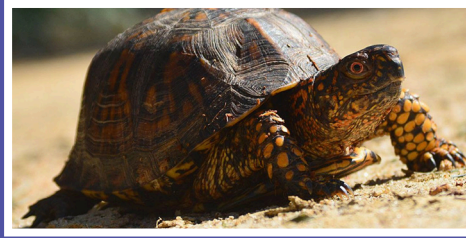
**Approx: 30 minutes**

### Option Two: Classroom Program + Extension

**\$1.50 per student (30 students max per class)**

**Approx: 1 hour**

Cape Fear Botanical Garden  
536 N. Eastern Blvd.  
Fayetteville, NC 28301



To schedule a program, please contact Barbara Goldentyer, CFBG Education Manager, by email at [bgoldentyer@capefearbg.org](mailto:bgoldentyer@capefearbg.org). Please allow for plenty of advanced notice as programs are offered when staff are available on a first-come, first-serve basis. We are particularly busy in the spring months.

*“Nature is a tool to get children  
to experience not just the wider  
world, but themselves.”  
- Stephen Moss*

## CONTACT

[www.capefearbg.org](http://www.capefearbg.org)

[bgoldentyer@capefearbg.org](mailto:bgoldentyer@capefearbg.org)

910-486-0221, ext. 43

[skushner@capefearbg.org](mailto:skushner@capefearbg.org)

910-486-0221, ext. 27



FAYETTEVILLE - CUMBERLAND CO.  
**ARTS COUNCIL**



# CFBG CLASSROOM GUIDE



# CLASSROOM PROGRAMS

## Wacky Weather

**Grades: Pre-K, K, 2nd, & 5th**

Let's learn about the weather and seasons with fun hands-on activities and amazing extreme weather demonstrations. The optional extension allows students to make a craft featuring a tree in four seasons or a weather vane.

## Life Cycles

**Grades: Pre-K - 2nd**

An introduction to the incredible wonders of metamorphosis, this class will get students excited about learning how frogs grow. The class includes a short story book, a puppet skit, a hands-on life cycle activity, and an opportunity for students to take home their own "frog eggs". The optional half hour extension allows students to explore butterflies as well, including using a magnifying glass to look at preserved specimens.

**Note: The 1st grade and kindergarten versions of this lesson plan involve an activity about what a frog needs to survive in place of the story book.**

## Soil Science

**Grades: 1st & 3rd**

Students will learn the different components of soil and how they help plants grow. Students will feel the differences between clay, silt, and sand, explore soil layers with sediment jars, and play a game modeling the passage of water through soil. 1st graders also "sort" soil into its various components, while 3rd graders integrate a scientific use of fractions to create a pie chart displaying the different components of soil. The optional half hour extension allows students to take a real soil core from natural areas near their school and enjoy a delicious "dirt" pudding cup with all the layers of real soil.

**Note: Allergy restrictions may prevent some students from participating in the edible "dirt" pudding activity. Please contact us for details.**

## Remarkable Reptiles

**Grades: 4th & 5th (Involves 2 Reptiles!)**

Students will learn what makes an animal a reptile and have the opportunity to meet two live reptiles. Younger students will focus on what reptiles need to live and how they move, while older students learn reptile adaptations and their roles in their native ecosystems. The optional half hour extension allows students to rotate through our reptile activity stations to try "shedding", examine snake skin up close, test their own abilities against a reptile's, and make reptile rubbings featuring reptiles from around the world.

## Animal Detectives

**Grades: 4th & 5th**

This program introduces students to the many types of animal signs, such as tracks and scat, which allow us to gather information about animals we can't actually see. Many mammals are nocturnal and animal signs are often the easiest way to know when these animals have been around. The class includes a grade specific introduction to the most common mammals in our area, followed by six animal sign stations, which allow students to match animal tracks, compare scat replicas, examine a real nest, and use all their senses to explore a wide variety of animal signs. The optional half hour extension allows students to create their own animal tracks to take home.

**Note: This class is highly adaptable and typically a great option for special needs or inclusion groups.**

## Seeds and Sprouts

**Grades: Pre-K - 3rd**

Want to learn what a plant needs to grow? Or how a small seed becomes a giant tree?

This class starts with a fun garden story. Then, each student will have the opportunity to dissect his or her own seed. Finally, students will make rubbings of different plants and flowers. The optional half hour extension allows students to rotate through sensory plant activity stations, and includes the opportunity to plant their own seeds.

# Q & A

**Can we book a classroom program if we're a public school outside of Cumberland County?**

Yes! However, travel time and gas reimbursement fees may apply. Please call (910) 486 - 0221 ext 43 for an estimate of costs for your location.

**Can your program be modified for students in private schools?**

Yes! The pricing for private school programming is \$3 per student for 30 minutes and \$5 per student per hour.

**What social distancing policies are in place?**

All our staff will wear masks for programs. We bring hand sanitizer to clean children's hands between touching any objects that are shared. Many programs can be adjusted for outdoor spaces such as picnic shelters or school fields.

**What are the best options for preschool classes?**

Our Life Cycles class about how a frog grows up, Wacky Weather about seasons and weather, and Seeds and Sprouts are all adjustable for preschool. Preschoolers will have a blast feeding insects to a frog puppet, watching a water tornado, planting a seed, and learning early science concepts.

**How do we pay?**

Full payment is due on the date of your program. You can pay with a check made out to Cape Fear Botanical Garden or pay over the phone by calling (910) 486 - 0221, if you wish to use a card.

