



Daniel Stowe Botanical Garden

# Pre-K Programs

Educator  
Guide

*2009 - 2010*

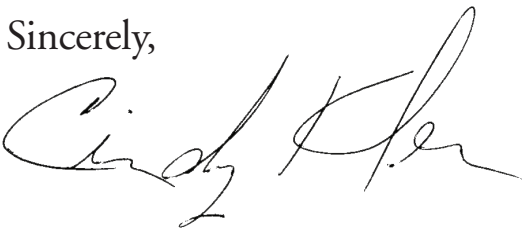


# Dear Educator,

**T**hank you for considering Daniel Stowe Botanical Garden as a place for your class field trip. Our beautiful gardens and outdoor environment provide an ideal 'living laboratory' that excites, inspires and engages students to learn about plants, nature and the environment. Our education programs offer fun, hands-on and innovative teaching techniques that address curricular standards and instill in students a knowledge and appreciation for nature.

If I can be of any assistance in your planning, please contact me or our Reservation Coordinator at 704 829-1252 to register your class (please register early as program dates fill quickly). I look forward to seeing you and your students here at the Garden!

Sincerely,



Cynthia D. Klemmer, Ph.D.

*Director of Education*

## **Education Department Contact Information:**

Cynthia Klemmer, Ph.D.  
Director of Education  
704-829-1257, [klemmer@DSBG.org](mailto:klemmer@DSBG.org)

Jackie Settlemyre  
Youth Programs Coordinator  
704-829-1270, [settlemyre@DSBG.org](mailto:settlemyre@DSBG.org)

Registration Coordinator  
704-829-1252, [info@DSBG.org](mailto:info@DSBG.org)



# Pre-K Programs



**G**ive your early childhood group an adventure at Daniel Stowe Botanical Garden! Pre-K programs encourage young children to have fun while learning about plants and nature in hands-on fashion. Each program includes a guided Garden exploration, as well as a hands-on planting activity so that kids will leave with a plant they can grow and care for at home. Combine this with additional self-guided exploration and a lunchtime picnic in the Garden, and you have a day of adventure!

**Cost:** \$4.50 per child, \$6 per teacher/chaperone (Pre-K programs are designed for per-child cost, to accommodate smaller group sizes and younger ages of daycare groups.)

**Chaperones:** At least one adult chaperone required for every 10 children. Teachers/chaperones free up to a ratio of 1 teacher for every 5 students. Beyond a 1:5 ratio, a chaperone fee of \$6 per teacher/chaperone will be charged at admission/entry.

**Logistics:** Each program lasts approximately one hour, and can accommodate up to 25 youth. Up to four sessions (of the same program) can be conducted at the same time.

### Program Options:

**Inch by Inch** — Join us for a measuring adventure through the Garden as students discover how the Inch Worm and his friends can serve as nonstandard units of measure to compare the sizes and shapes of various plants and objects throughout our gardens. Students can draw their findings in their garden

journals and apply their new measuring skills while creating a take-home garden of their own.

**Keywords:** *size, shape, nonstandard units of measure, comparison, tools for measuring*

**Color All Around** — Red, orange, yellow, blue, green, indigo and violet—all the colors of the rainbow can be found in a garden. Have fun learning and exploring colors by conducting a Color Hunt in the Garden! Each child will also create their own take-home terrarium planted with a colorful plant.

**Jungle Walk** — What's a jungle? Using *The Orchid Conservatory* as their base, kids will explore tropical environments and experience some tasty treats that come from the tropics. Each child will create a tropical terrarium so they can grow their own jungle at home.

**Note:** *Teachers can also select from 1st and 2nd grade programs that are available in the K-5 program brochure. Many of these can be tailored for younger learners.*

## Program Scheduling and Fees

### Registration

Registration fees are due at time of registration and must be paid in full at least two weeks prior to the program. Confirmation packets, including Chaperone Guides and pre-visit materials will be mailed upon receipt of registration fees.

### Pre-K Guided Programs

#### Scheduling:

Guided programs for pre-schoolers last approximately 1 hour, and can be scheduled Monday-Friday between 10 a.m. and 2 p.m.

#### Program Fees:

\$4.50 per student; \$6 per teacher/chaperone



6500 South New Hope Road

Belmont, NC 28012

(704) 829-1252

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

*A Garden for all Seasons!*

# General Programs for All Ages

These programs feature *The Orchid Conservatory* and the Garden's fall exhibit, *Something's A-Flutter*. The programs are flexible, and designed to accommodate a wide range of grade levels and interests. Programs will be adapted to fit the interests and skill levels of your students—please specify a grade level or age range when registering.

## **Something's A-Flutter at the Garden: Butterfly Programs for School Groups**

Available Sept. 4 - Oct. 16

*(adaptable for all grades—please specify when registering)*

Butterflies are some of nature's most beautiful insects, and the Garden's *Something's A-Flutter* exhibit provides a perfect place to see them. Students will review the characteristics of an insect and the fascinating life cycle process called metamorphosis. Students will experience butterflies up close and personal in *The Orchid Conservatory*, learn to identify several native species, and then learn more during a special Butterfly Walk through the Garden.

**Key Concepts:** *Insects, metamorphosis, life cycles, butterflies, butterfly behaviors, native Carolina butterflies*

*For additional insect-related programming, please see **Insect Exploration** on page 2 of the **K-5 Guided School Programs Brochure**. This engaging program supports curricular standards, offers a chance to work with live insects, and is offered throughout the year.*



## **Orchid Conservatory Programs**

Available Oct. 19, 2009 – June 2010

The Garden's Orchid Conservatory presents an ideal environment for the study of tropical ecosystems and the plants that are specially adapted to live in them. Celebrate this wonderful resource for learning through a special visit with your students. The two programs described below are designed for flexible use across a range of grade levels, and can be adapted to suit younger or older grade levels—just let us know during registration.

### **Plants and People (Grades K-2)**

Vanilla and chocolate are just two tropical plants that we commonly use. Explore the Garden and Orchid Conservatory to discover these and many other tropical plants that serve important uses as food, medicine or economic value. Afterward, each student will create their own tropical plant terrarium to take with them.

### **Tropical Ecosystems and Plant Adaptations (Grades 3-5)**

Tropical ecosystems are fascinating! Using the Orchid Conservatory as a living laboratory, students will learn characteristics of a tropical environment and then conduct their own exploration to discover some of the unique ways tropical plants have adapted to survive and compete successfully. In addition, each student will create their own mini-terrarium and plant a tropical plant to take home with them.

*Please note this program is well suited for advanced or secondary grade levels, as discussion of the ecosystems and the complexity of plant adaptations can vary widely.*