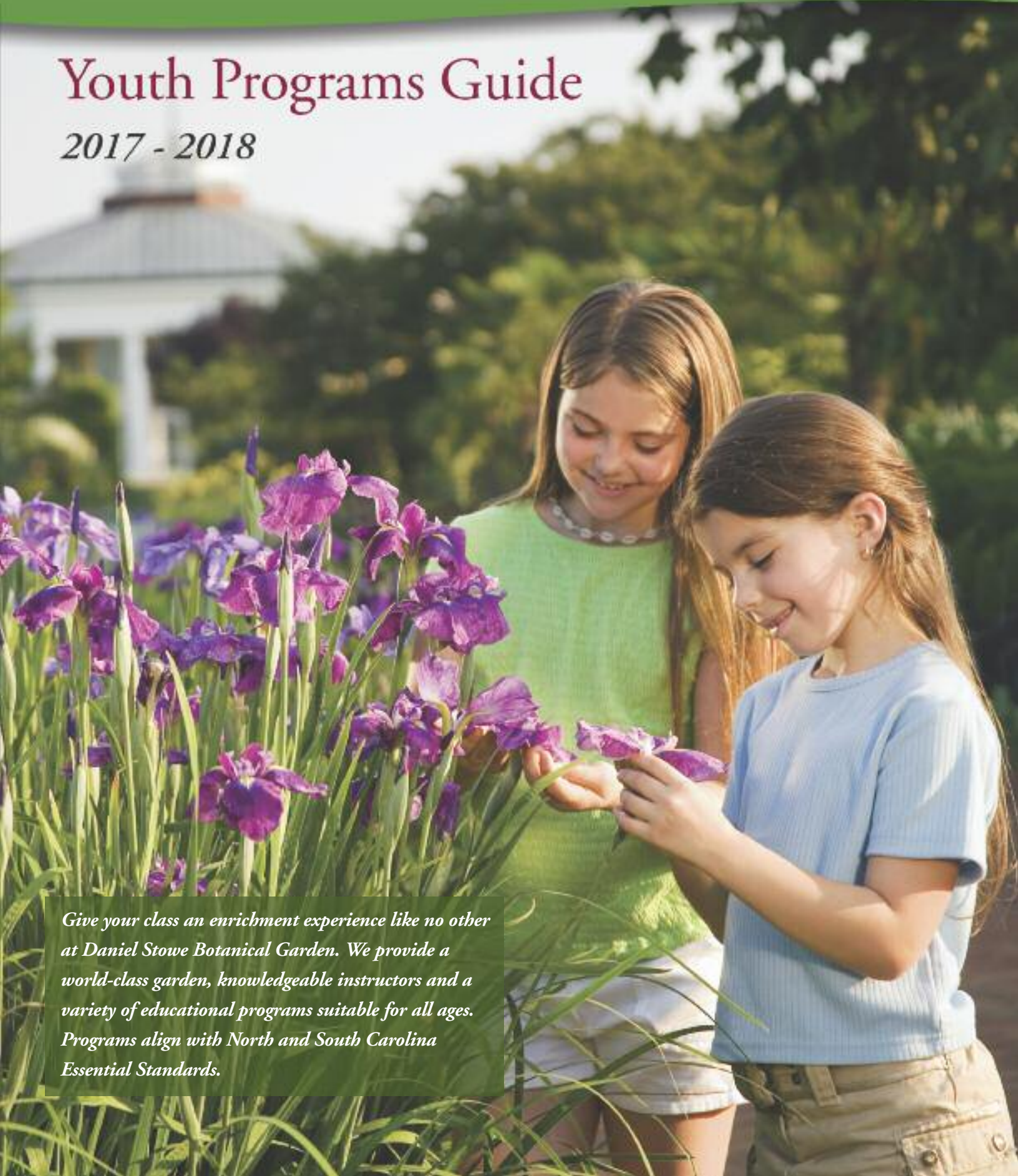


# Youth Programs Guide

2017 - 2018

*Give your class an enrichment experience like no other at Daniel Stowe Botanical Garden. We provide a world-class garden, knowledgeable instructors and a variety of educational programs suitable for all ages. Programs align with North and South Carolina Essential Standards.*





## Guided School Programs

Experiential learning is facilitated by enthusiastic, knowledgeable Garden Instructors. Programs are designed for specified grade level. However, all programs can be customized to supplement class curriculum. Registration information, costs and more can be found on page four.

### Colors of the Garden (Grades Pre-K, K, 1; 45 minutes)

Designed for our youngest Garden guests, this experience begins with a storybook reading followed by a color exploration in our enchanting display gardens. Students learn about the color wheel and color theory in nature. *Key Concepts: art, color, color wheel, colors in nature.* Suggested add-on: *Conservatory Quest.*

### Inch by Inch (Grades Pre-K, K, 1; 45 minutes)

Join this multi-disciplinary adventure as students explore math with Inch Worm and friends. Following a story, students will use Inch Worm and other non-standard units of measure to compare sizes and shapes in the Garden. *Key Concepts: measurement, observation, linking literature to science and nature.* Suggested add-on: *Worm Bin Creation.*

### Garden Detectives (Grades Pre-K, K, 1; 45 minutes)

The Garden is filled with the wonders of nature! In this program, students investigate the outdoors like real detectives, using curiosity and their five senses. A focus on keen observation and physical engagement ensures fun and learning. *Key Concepts: senses, physical properties, similarities and differences.* Suggested add-on: *Conservatory Quest.*

### Shapes for Strength (Grades K-3; 60 minutes)

Students will learn the importance of a strong foundation to create long lasting buildings. They will then create their own architectural or geometric shape models that are tested for strength and solidity. *Key Concepts: design principles, models, form and function, physical properties.*

### Seed Ya Soon (Grades 1-3; 60 minutes)

The Garden is the perfect setting to search for seeds and observe our environment. Learn about how a seed grows and how plants disperse their seeds. Students engage in hands-on investigation to compare a variety of seeds. *Key Concepts: seeds, seed dispersal, germination, plant life cycle.* Suggested add-on: *Terrarium Station, Flower Dissection.*

### Nature's Transformers (Grade 2; 60 minutes)

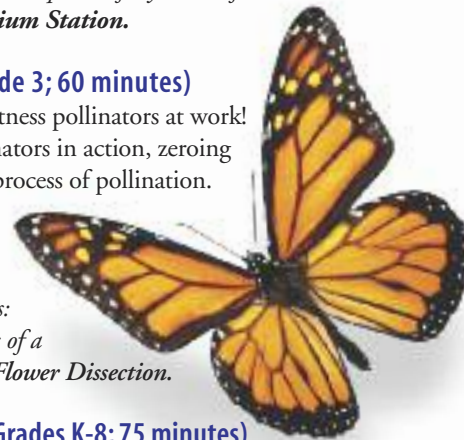
Animals like mealworms and frogs can change dramatically throughout their lives. Learn about complete and incomplete metamorphosis, investigate a mealworm colony and explore the Garden for animals in different life stages, from bird eggs to butterfly larvae to frog tadpoles. *Key concepts: animal lifecycles.* Suggested add-on: *Paper Mâché Chrysalis.*

### Plant Parts We Eat (Grade 3; 60 minutes)

Students explore the Garden to identify basic plant parts, what plants need to live and the plant life cycle. They then apply this knowledge in the creation of a "Veggie Monster." *Key Concepts: plant growth requirements, plant parts, plant life cycle and functions.* Suggested add-on: *Terrarium Station.*

### Pollinator Power (Grade 3; 60 minutes)

Explore the Garden and witness pollinators at work! Students will observe pollinators in action, zeroing in on flower parts and the process of pollination. Then they will engage with pollination like never before – by acting out a Pollinator Play! *Key Concepts: pollinators, pollination, parts of a flower.* Suggested add-on: *Flower Dissection.*



### Get Into the Habitat (Grades K-8; 75 minutes)

Explore habitats on a trek through the forest. Students dig into ecosystems, habitats and how plants and animals adapt according to needs for shelter, water, food, nesting, or breeding sites. *Key Concepts: habitat, ecosystem, population, adaptations, food web, biodiversity, observation, stewardship.*

### Trip to the Tropics (Grades 1-6; 60 minutes)

The warm, wet conditions in tropical ecosystems result in amazing plants that represent huge diversity! Learn how plants adapt to thrive in this ecosystem, from drip tips and waxy surfaces to unusual plant parts. We'll also touch on unique uses of many tropical plants. *Key Concepts: ecosystem, plant adaptations, botany, rainforests, plant use.* Suggested add-on: *Flower Dissection.*

### Pond Ecology (Grades K-6; 75 minutes)

Ponds are ideal ecosystems to get a close-up look at the web of life. At one of the Garden's ponds, students investigate organisms that thrive in, on, and near the water by collecting pond samples and making detailed observations. *Key Concepts: habitats, lifecycles, plant-animal relationships, water quality, research methods, stewardship.* Suggested add-on: *Paper Mache Chrysalis.*

### Biomimicry: Nature's Brilliance (Grades 6-12; 75 minutes)

Students will learn how nature has already solved many problems humans tackle every day. By examining how plants and animals survive, humans can imitate or mimic these mechanisms for their own sustainable future. *Key Concepts: ecology, systems thinking, creative problem solving.*

### Phenology Cycles: Lessons from the Field (Grades 6-12; 75 minutes)

Become citizen scientists in the field by learning how and why data collection can contribute to a better understanding of patterns in nature. Students will learn the meaning behind phenology while discussing ways to incorporate citizen science data collection at home or in school. *Key Concepts: phenology, inferences and observation, data recording, citizen science.*

### Botany Blast (Grades 6-12; 75 minutes)

From the micro to the macro, students will experience the thrill of discovery and the exploration of diversity. Students will compare the flowers of monocots and dicots, examine flowers under magnification and discuss their findings with staff. A Garden walk will extend the botanical experience as students look for specific examples of floral diversity to illustrate key aspects of the plant community. *Key Concepts: botany, dissection, plant life cycles, pollination, germination, parts of a flower/fruit/seed.*

### Custom Programs (All Grade Levels)

Please call to schedule a custom program that supplements your classroom learning. Guided School Program structure, fees and reservations apply. In addition, please check our website, [www.DSBG.org](http://www.DSBG.org), for seasonal program offerings including Learn & Explore Asian Culture available through December!.

## Self-Guided Experiences

School groups may choose to explore the Garden and trails without a guide. Reservations in advance are required.

The possibilities for exploration are endless at Daniel Stowe Botanical Garden! Experience the tropical ecosystem of The Orchid Conservatory, investigate native woods and meadows on Persimmon Trail or Meadowood Walk, engage your senses in the Perennial Gardens and much more. Scavenger hunts available upon request.

*Tour the Garden with a guide... or explore the trails and attractions on your own!*

### Optional Add-ons

Whether scheduling a guided or self-guided program, extend your students' experience by 30 minutes with an additional enrichment activity led by a Garden Instructor. Price: \$45/add-on (per class)

#### Terrarium Station

Plant a cutting in a contained, portable terrarium, and watch it grow into a full-sized plant for your home or classroom.

#### Flower Dissection

Investigate the parts of a flower by pulling one apart to see what's inside.

#### Worm Bin Creation

Set up a worm bin for your classroom. Learn about vermicomposting and how decomposers help our planet.

#### Conservatory Quest

Discover characteristics of a tropical ecosystem and the highlights of our *Orchid Conservatory* on this guided tour.

#### Paper Mâché Chrysalis

Art and science merge in this fun, hands-on exploratory creation. When ready, open the chrysalis and release the artificial butterfly!

# School Program Registration

## Planning Your Experience

### Before Your Visit

- Submit program application at least three weeks before preferred program dates.
- Come prepared for weather. Programs take place rain or shine.
- Sturdy, closed-toe shoes only.** Tennis shoes are recommended. No flip flops.
- Inform students they may encounter bees in the Garden, but remember, bees are attracted to flowers and prefer to leave humans alone.
- Notify the Garden of any special needs in your group.
- Plan to arrive at least 20 minutes before your scheduled program time.**

### During Your Visit

- Upon arrival, gather your class on the grass in front of the Visitor Pavilion. Garden staff will meet you there to coordinate admission.**
- Adults with your group are responsible for monitoring student safety, managing group behavior and supporting program activities.
- Silence phones during programs.
- Be mindful of Garden guests.
- Be careful to not damage plants or Garden property.
- Scheduled end times for guided programs are not flexible, regardless of late arrival.**

### Lunch at the Garden

- Bring your lunch to the Garden!
- Lunches are moved to an outdoor picnic space upon arrival.
- Come prepared to picnic on the ground outside.

### Teacher Memberships

The Garden is pleased to offer free Individual Memberships (or credit toward a higher membership level) to all teachers who bring classes to the Garden for Guided School Programs. Please complete your Guided School Program evaluation to receive your teacher membership application.

### Shop The Garden Store

Be sure to stop at *The Garden Store!* Take the experience home with a *Lost Hollow* lunch bag, a Garden travel mug or a great book on gardening in the Carolinas. *Members receive a 10% discount.*

## Getting to the Garden

Daniel Stowe Botanical Garden is located west of Charlotte on the North Carolina-South Carolina state line, outside the town of Belmont. Located on NC 274, the Garden is easily accessible from Interstates 85 and 77. Group leaders are encouraged to map the route online to ensure timely arrival.



## Information and Registration

### Registration

- Review school program offerings. For consultation, call 704-829-1270.
- At least three weeks in advance, register at [www.DSBG.org](http://www.DSBG.org) or call 704-829-1270.
- Look for confirmation email. Your program is not scheduled until you receive email confirmation.

### Fees and Payment

Payment due two weeks in advance of each program. **Reservations will NOT be guaranteed unless payment is received two weeks in advance of program.**

#### Guided School Programs

- \$140/class of up to 25 students with three school personnel
- \$12.95/additional adult (members receive a 15% discount)
- \$5.95/additional student (beyond 25, up to 30 total students)

#### Guided Programs last 45 – 75 minutes.

Select one of the following times:

- 9:15 a.m.
- 10:30 a.m.
- 11:45 a.m.

#### Self-guided programs

- \$5.95/student
- \$10.95/adult

### Cancellation and Rescheduling

- Programs are held rain or shine. In the event of severe inclement weather, schools can reschedule their visit. **No refunds will be issued due to weather.**
- Programs cancelled three weeks or more in advance are eligible for a refund less a \$25.00 fee. No refunds are issued for cancellations less than two weeks in advance.
- To reschedule paid programs, call 704-829-1270. Fees paid will transfer.

## Class Opportunity: School Trees



As part of the Garden's popular Holiday Lights display, Daniel Stowe Botanical Garden invites schools to create ornaments for public display. Register to participate by **Tuesday, October 10, 2017** by e-mailing [odonnell@dsbg.org](mailto:odonnell@dsbg.org) with a request for a 'School Trees' registration form. Ornaments should project a theme and be suitable for indoor or outdoor trees.



## Continuing Education

Daniel Stowe Botanical Garden offers continuing education classes on a variety of topics for parents and children. Pre-registration is recommended as space is limited and many classes fill quickly! Register online at [www.DSBG.org](http://www.DSBG.org) or call 704-829-1252.

### Small Stalks

Select Mondays throughout the year; 10 – 11 a.m.

**Price: \$10/one child and one parent; \$6/each additional participant**

Bring your 2 to 5-year-old(s) to explore nature in a safe, nurturing environment. Activities may include stories, songs, planting seeds, crafts, and play in Lost Hollow.

### Wee Sprouts

Select Mondays throughout the year; 11:15 a.m. – 12 p.m.

**Price: \$10/one child and one parent; \$6/each additional participant**

Bring your infant to 2-year-old to the Garden for a morning of sensory exploration, singing and fun. This program will explore colors, shapes, movement, texture and a host of other topics in a safe and nurturing environment.



## Homeschool Days

Daniel Stowe Botanical Garden provides a wonderful living laboratory for meaningful, real-world explorations for your home-schooled students. Themed programming on the **last Wednesday of every other month** will include a variety of learning stations offering hands-on, guided discovery experiences with our knowledgeable instructional staff. Programs are offered 9:30 a.m. – 12:30 p.m. geared towards children in grades K-5. To register in advance, call 704-829-1270 or visit [www.DSBG.org](http://www.DSBG.org).

**Price:** \$8/first student, \$5/each additional student + \$12/adult (must be from same household)

### September 27, 2017 – Learn and Explore Asian Culture

Explore the Asian continent by making stops at specific countries in station format to learn about history, nature and wildlife, gardens, language, art and customs. Students will receive a broad overview of topics that will have them exploring the globe's cultural and geographic diversity. Supplements the Garden's Chinese Lantern Festival on exhibit Sept. 7 – Oct. 29.

### November 29, 2017 – Art in Nature

Colors, shapes and form will all be discussed as students observe art in nature through their own creative lens. Students will create their own art projects using upcycled materials and explore the Garden crafting 'land art' along the way.

### January 31, 2018 – Tropical Treasures

Using the Orchid Conservatory as a living laboratory, students will learn characteristics of a tropical environment – both wet and dry tropics – and discover some of the unique ways tropical plants have adapted to survive and compete successfully.

### March 28, 2018 – Veggie Gardening

Dig in to investigate the basics of veggie gardening. Students will learn about different types of soil, plant choice, caring for and maintaining a home garden. Designed to capture curiosity and enhance the learning process.

### May 30, 2018 – Insects and Pond Life

Students will learn the characteristics of an insect, compare/contrast insects with other arthropods and investigate these organisms that thrive in, on and near the water. Pond sampling and insect classification will be discussed.

### July 25, 2018 – Understanding Symbiotic Relationships

There are many different types of relationships that exist in nature – some that are beneficial and others that are harmful. Learn about mutualism, commensalism and parasitism through the diversity of relationships that exist at the Garden. Games and activities will enhance a deeper understanding and respect for all creatures big and small.



## Scout Programs

### Girl Scout Programs

Are you a troop leader interested in aligning Girl Scout *Journeys Awards* and badges with outdoor programming? Or, are you interested in meeting requirements for multiple badges? Extend your program time and spend the day at the Garden!

**Look no further!** Call 704-829-1270 today to schedule your visit.

**Price:** \$100/12 Girl Scouts + 3 chaperones; \$6.95/each additional Girl Scout, \$10.95/each additional chaperone (pricing includes general admission to the Garden)

**Program Times:** 60 to 90 minute programs available. (If additional time is needed to fulfill multiple badge requirements, an extra fee will apply)

### Badges (partial to full completion)

- 🌿 **DAISY** – Clover Petal, Rose Petal
- 🌿 **BROWNIE** – Naturalist-Bugs Badge, Senses Badge
- 🌿 **JUNIOR** – Naturalist-Flowers Badge, Gardener Badge, Investigate Award
- 🌿 **CADETTE** – Trailblazing Badge



### Cub/Boy Scout Programs

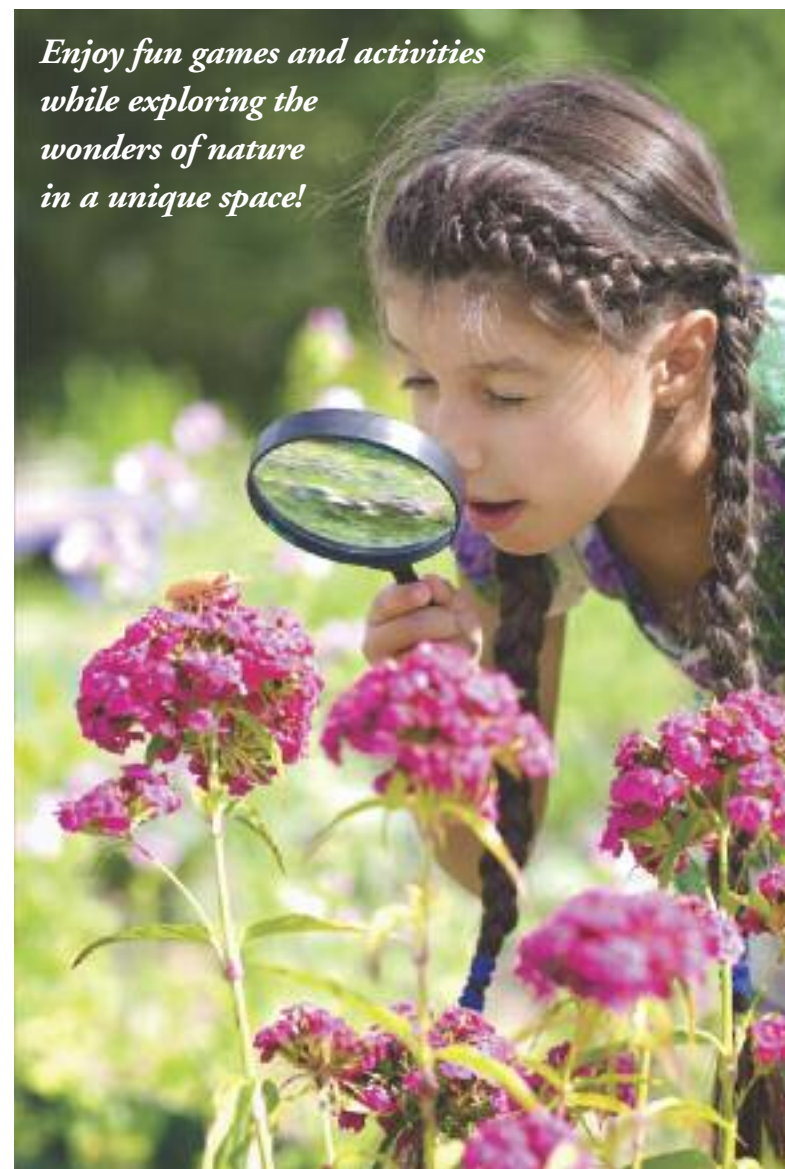
Scouts can participate in fun, interactive, outdoor, skill-based and educational activities all year long with expert Garden instructors. Check in with our educational administrative staff to learn more about earning your adventure loops or pins and/or merit badges at the Garden by calling 704-829-1270.

## Outdoor Adventure

### Overnights at the Garden

Experience an outdoor adventure like no other! Pitch your tents at the Garden, go for a night hike and enjoy fun games and activities all the while exploring the wonders of nature in a unique space. Great for scouts seeking to fulfill badge requirements. Call 704-829-1270 to inquire about booking your next adventure.

*Enjoy fun games and activities while exploring the wonders of nature in a unique space!*



## Camps

**Drop off up to 30 minutes before start and pick up no later than 30 minutes after finish for full-day camps.**

### Winter Break Camp

Explore the Garden in a winter wonderland! Programming will include holiday and winter themed activities, hands-on crafts, games, Garden exploration and more.

Camp	Dates	Time	Grade	Price
Winter Break Mini-Camp	Dec. 27, 28, 29	9 - 5	K-5	\$135.00
All-Day Single Day Option	Any day listed above	9 - 5	K-5	\$50.00
Half-Day Single Day Option	Any day listed above	9 - 12:30 or 1:30 - 5	K-5	\$25.00

### Spring Break Camp

Spring is in the air, flowers are blooming and pollinators are busy buzzing about the Garden! Join experienced staff for a week of spring themed activities, hands-on crafts, games, Garden exploration and more.

Camp	Dates	Time	Grade	Price
Spring Break Camp	April 2 - 6	9 - 5	K-5	\$225.00
All-Day Single Day Option	Any day listed above	9 - 5	K-5	\$50.00
Half-Day Single Day Option	Any day listed above	9 - 12:30 or 1:30 - 5	K-5	\$25.00

### Summer Camps

Summer camps are back with new themed offerings, single day options and longer camp times! Snacks are included, campers should bring lunch. *Camps will be divided into age appropriate instruction.*

*Campers 13 years of age and older are encouraged to apply as Counselors-In-Training. Camp Counselors will receive 25% off camp fees.*

Camp	Dates	Time	Age (yrs)	Price
Nature's Naturalists	June 25 - 29	9 - 5	5-12	\$225.00
Outdoor Adventure Seekers	July 9 - 13	9 - 5	5-12	\$225.00
Create, Design and Paint!	July 16 - 20	9 - 5	5-12	\$225.00
Fairies, Gnomes and Forest Dwellers Camp	July 23 - 27	9 - 1	5-8	\$115.00
All-Day Single Day Option	Any day listed above	9 - 5		\$50.00
Half-Day Single Day Option	Any day listed above	9 - 12:30 or 1:30 - 5		\$25.00



## Birthday Parties

Children are sure to have a birthday to remember when celebrating at the Garden! Party guests will enjoy the beautiful scenery and various gardens including Lost Hollow, The Kimbrell Children's Garden. Party packages are suitable for children up to age 12.

**Price:** \$350 (Garden Members receive 10% off rental cost)

### Package Includes:

- 🌿 2-hour rental of east outdoor covered portico
- 🌿 Admission for up to 25 guests who may enjoy full-access to the Garden after the event
- 🌿 Tables for seating and gifts, benches or chairs, and basic linens included
- 🌿 Assistance of Garden staff member to manage venue activities

### Food and Beverage Options

#### Option #1

Party hosts are responsible for bringing their own food and non-alcoholic beverages along with plates, utensils and napkins. *Cold trays only please.*

#### Option #2

For food delivery or pick-up, the party host may contact recommended vendors found on our website under rentals at [www.dsb.org](http://www.dsb.org).

### Optional Add-Ons

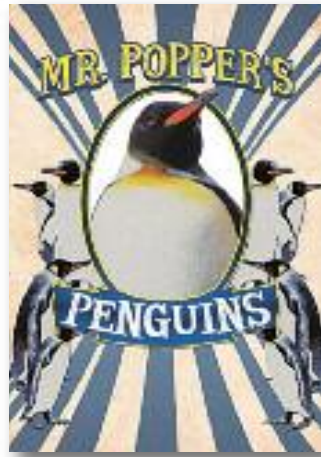
- 🌿 Up to a 1 hour extension: \$100
- 🌿 Linen Upgrade: \$50 (rental)
- 🌿 Centerpieces: \$25 (rental)
- 🌿 Goodie Bags: \$8/child

### Educational Birthday Party Theme Options

All options include a professional educator as host, tram ride, themed scavenger hunt, and gift for the birthday child.

- 🌿 **Bug Bonanza** featuring a bug-themed craft.
- 🌿 **A Royal Celebration** featuring a medieval-themed craft.
- 🌿 **Budding Botanist** featuring a take-home terrarium craft.
- 🌿 **Fairies, Gnomes and Forest Dwellers** featuring a tiny fairy and gnome terrarium craft.

**Reservations must be made two weeks in advance with full payment. Birthday parties are held rain or shine. Call 704-829-1270 to reserve your party.**



*Theatre in the Garden*



*Holidays at the Garden*



*Peter Rabbit*



*Botanical*



*Chinese Lantern Festival*



*Fairy Fest*



*Art & Orchids*

## Family-Focused Garden Events

Admission to select events is free with general admission or free for members.

### SEPTEMBER 2017

#### Theatre in the Garden, Sept. 16 \*

The Children's Theatre of Charlotte will present Mr. Popper's Penguins, a musical performance inspired by the book classic.

#### Chinese Lantern Festival, Sept. 7 – Oct. 29 \*

From humble beginnings of silk and paper, the Chinese lantern has evolved into the wondrous shapes and sizes of the Chinese Lantern Festival. Enter a world of illuminated panda bears, dragons, towering buildings and gates. Enter "The Wild."

### OCTOBER 2017

#### Botanical, Oct. 28 – 29

Fall is a "bootiful" time to visit the Garden! Stop by the Garden to hear live music performances coupled with horse-drawn carriage rides and some not-so-frightening fantastic fall activities.

### NOVEMBER & DECEMBER 2017

#### Fairy Fest, Nov. 11

Enjoy a day of crafts, music, fairy house building, food trucks, and more! Explore nature and your creativity by fashioning a special outdoor habitat for fairies and other small friends. Garden staff and fairy friends will be on-site to share fairy expertise and storytelling at this family friendly event.

#### Holidays at the Garden, Nov. 17 – Dec. 31 \*

A must-see family tradition for thousands of all ages, is a magical time of year when the trees twinkle, the fountains sparkle and botanical-themed displays glisten among the natural beauty of the winter Garden. Celebrate the season that will help you create memories that last a lifetime.

### JANUARY 2018

#### Oyster Roast \*

Enjoy all you can eat steamed oysters at our second annual Oyster Roast. Beverages and entertainment will complement the meal along with the Garden's natural setting in the heart of winter.

### FEBRUARY 2018

#### Art and Orchids (through March 2018)

Explore this one of a kind exhibit designed to stimulate the artist within. Exhibit info coming soon!

### MARCH 2018

#### Children's Art Weekend

Dedicated to fostering and celebrating the creativity of children; hands-on activities and crafts, art projects and more will be available throughout the Garden.

#### Peter Rabbit's Garden Adventure

Peter Rabbit's Garden Adventure is an opportunity for families to celebrate spring along with the whole Rabbit family – Mrs. Rabbit, Flopsy, Mopsy, Cottontail, and, of course, Peter, himself.

### APRIL 2018

#### EarthFest

The Garden celebrates Earth Day 2018 with an event that will help guests on the path to living a more sustainable lifestyle. Family crafts, beverage sampling, live music, lawn games and a kids' spring nature hike are all part of the fun.

### MAY 2018

#### Mother's Day at the Garden

Celebrate with mom at the Garden on Mother's Day weekend. Admission is free for mothers and the Garden will host an array of family activities.

\* Tickets available at [www.DSBG.org](http://www.DSBG.org)



6500 South New Hope Road

Belmont, NC 28012

(704) 825-4490

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

*A Garden for all Seasons!*