EDUCATION & EVENTS GUIDE
SARAH P. DUKE GARDENS
SPRING & SUMMER 2015
join us at **SARAH P. DUKE GARDENS**

**SPRING & SUMMER 2015**

- Visiting Duke Gardens
- Volunteering at Duke Gardens
- Homeschool & Family Programs
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Cover photo by Lori Sullivan
Spring. This season always brings a renewed sense of energy. Is there a particular spring event that you watch for?

Several colleagues at the Gardens shared the spring markers that they wait for, with anticipation, each year.

The late winter flowering of witchhazels (Hamamelis selections) are a favorite of director of horticulture Bobby Mottern’s.

Emerging leaves, with that wonderful shade of translucent, glowing green, is something that signals to education program coordinator Kavanah Anderson that indeed spring has arrived.

Paul Jones, curator of the Culberson Asiatic Arboretum, thinks back to our farming past as he watches the oak leaves unfold throughout the Gardens. An old method of estimating the best time to plant corn is to watch for emerging oak leaves to reach the size of squirrel ears.

Watching sweet peas corkscrew out of the ground is education program registrar Sara Smith’s celebrated springtime event.

Take a springtime walk at Duke Gardens; you are certain to see some of these. We also observe the season in programs. This spring I encourage you to look at:

• Camps for spring break and summer, with new program themes and new options for middle school students. See page 12 for full information.

• This year’s Art and Nature Exhibit, featuring artwork inspired by the Historic Gardens of Duke Gardens. See page 17 for full information.

• The Exploration Station, Saturdays in April and May, with drop-in activities to help you explore the Charlotte Brody Discovery Garden. See page 10 for full information.

And we welcome the very talented W. Gary Smith to present the annual Taimi Anderson Lecture, this year titled The Artful Garden. See page 29 for full information.

Take a big breath of spring and feel energized!

Jan Little
GROUP VISITS AND TOURS: We ask that all groups of 15 or larger register with the Gardens so we can coordinate your activities with other groups scheduled for the same day. Please call 919-668-1707.

Enjoy the beauty of Sarah P. Duke Gardens on a guided tour. Trained volunteer docents will weave the story of Duke Gardens’ history and development with information about today’s breathtaking garden displays, garden architecture, native plant gardens, vegetable gardens and special collections.

These tours fill up rapidly; we encourage advance reservations. Please call 919-668-1707 to make a reservation.

Duke Gardens receives roughly half of its operating budget from Duke University. We depend on individuals for additional support. Please consider becoming a member of Friends of Duke Gardens. See additional information on page 40.

GROUP VISITS AND TROLLEY TOURS: APPROXIMATELY 1 HOUR

- Offered Tuesdays, Wednesdays, Thursdays and Fridays at 10 am and 2 pm from March 15-Nov. 15.
- $8 per person; advance reservations held with payment, and we encourage reserving in advance.
- No minimum but a maximum of 5 people per trolley.
- All participants must be seated with a seatbelt; no children may ride on an adult’s lap.
- These tours fill up rapidly. We encourage advance reservations. Seats may be available on a walk-in basis; please check at the Doris Duke Center for that day’s tour availability.

GROUP VISITS AND WALKING TOURS: APPROXIMATELY 1½ HOURS

- Offered Tuesdays, Wednesdays, Thursdays and Fridays at 10 am and 2 pm from March 15-Nov 15.
- $8 per person; advance reservations held with payment, and we encourage reserving in advance.
- These tours fill up rapidly. We encourage advance reservations. Space may be available on a walk-in basis; please check at the Doris Duke Center for that day’s tour availability.

For tour information and reservations please call 919-668-1707 or email gardenseducation@duke.edu.
TERRACE CAFÉ serves sandwiches, salads and ice cream. Located in the cottage on the left as you enter the Terrace Gardens via the pergola.

Café hours (seasonal and weather permitting): Mon.-Fri., 11 am-3 pm; Sat., 10 am-4 pm; Sun., noon-4 pm. Groups may arrange lunches at least three days in advance by calling 919-660-3957.

PARKING: Parking fees apply on Monday-Friday from 8 am to 5 pm, and Saturday/Sunday from 1 pm to 5 pm. Parking passes are available for purchase from the machines located in each parking lot. If a machine is malfunctioning, please go to the information desk inside the Doris Duke Center.

Weekend parking update: Due to growing visitation and limited parking on site, Duke Gardens now offers free parking in a nearby overflow lot (Duke University H Lot) at the corner of Yearby Avenue & Anderson Street. The lot is a 5-minute walk from Duke Gardens’ main entrance. It will be open 8 am to 8 pm on Saturdays, Sundays & holidays.

Duke Gardens is an increasingly popular attraction for visitors from around the world. Please help us care for this botanic garden, and ensure that all visitors enjoy their time here, by refraining from the following:

• Climbing trees, swimming or wading
• Using sports equipment, balls, balloons or kites
• Feeding the wildlife, except for approved duck food (purchase in The Terrace Shop)
• Riding bicycles, skates, skateboards, etc.
• Smoking

Please also abide by the following policies:

• Keep dogs leashed (6-foot maximum) and out of plantings
• Groups of 15 or more, please register in advance at 919-668-1707
• Portrait photography is by permit only
• Leave plants and all plant parts for everyone to enjoy
• Carry out what you carry in

A list of policies is posted at entrances and online. Thank you for your cooperation.
VOLUNTEERING IN THE GARDENS

Be a Force of Nature — Volunteer

Expand your knowledge of the natural world as you help connect people with the Gardens. Volunteers are essential at Sarah P. Duke Gardens, helping to create a better garden and a better community. Bring your interest, energy, knowledge and passion to Duke Gardens and help make each guest’s visit more beautiful and enriching.

Whether you are interested in gardening, visitor services, administrative support or education, volunteering at Duke Gardens is a way to give back to your community. You will meet people of similar interests, learn new skills and have fun.
If you are interested in joining the volunteer family at Duke Gardens, contact director of volunteer services Chuck Hemric at 919-668-1705 or chemric@duke.edu to enroll in the next volunteer orientation, or complete an application at gardens.duke.edu/support/volunteer.

**BENEFITS TO VOLUNTEERS:**

- The satisfaction of supporting a public garden and furthering the Gardens’ mission
- Increased garden skill/knowledge
- Invitations to Gardens events
- Education and gift shop discounts
Pre-registration is required for all classes; to reserve a space please call 919-668-1707 or email gardeneducation@duke.edu. A parking pass will be emailed in advance for any class with a registration of $5 or higher.

**HOMESCHOOL & FAMILY PROGRAMS**

**BOTANY FOR BEGINNERS: Spring Flora**

*New!*

Explore the art and science of plant identification through walks in the Gardens, botanical sketching and hands-on dissection of plants. We will focus on the pattern method of family-level identification by observing floral parts, leaf shape, and arrangement. Students will leave with an appreciation of plant diversity, the tools to look up unfamiliar plants and the curiosity to explore and learn on their own. Topics covered will vary according to seasonal bloom times, and they’re tailored to students’ interest. Students will benefit most from attending the whole series, but one-time signups are welcome. First class strongly suggested as prerequisite: Flower Anatomy.

**FOR CHILDREN AGES 8 AND UP. ADULT CHAPERONE OPTIONAL**

**SECTION A: FLOWER ANATOMY, MARCH 9**
**SECTION B: LILY, MAPLE AND OTHER FLOWERING FAMILIES, MARCH 23**
**SECTION C: BUTTERCUP, ROSE AND OTHER FLOWERING FAMILIES, APRIL 6**
**SECTION D: LAUREL, PEA AND OTHER FLOWERING FAMILIES, APRIL 20**
**SECTION E: MINT, TEA AND OTHER FLOWERING FAMILIES, MAY 4**
**SECTION F: FIELD GUIDES 101; PLANT ID FROM FAMILY TO GENUS, MAY 18**

**EACH SECTION IS SCHEDULED FOR A MONDAY, 10:30 AM-NOON**

**FEE: $8 EACH SECTION; GARDENS MEMBERS $7. REGISTER FOR 5 CLASSES OR MORE AT A FEE OF $7/$6**

**DIRT AND WORMS**

*New!*

Get dirty as we explore soil in the Gardens. Find decomposers, help to turn a compost pile, and examine wiggling worms from our vermicomposting bin. Sections will begin at the same time, with two instructors to address different age groups and activities tailored to each age.

**SECTION A: FOR AGES 3-6. ADULT CHAPERONE REQUIRED. MONDAY, MARCH 16, 10:30-11:30 AM**
**SECTION B: FOR AGES 6 AND UP. ADULT CHAPERONE OPTIONAL. MONDAY, MARCH 16, 10:30 AM-NOON**

**FEE: $8 EACH SECTION; GARDENS MEMBERS $7. REGISTER FOR 5 CLASSES OR MORE AT A FEE OF $7/$6**
**PLENTY OF POLLINATORS**

*New!* We love our bee and butterfly pollinating friends...but did you know that beetles, flies, birds, bats and even lizards help to pollinate as well? Explore plant-pollinator relationships and go on a pollinator hunt. Sections will begin at the same time, with two instructors to address different age groups and activities tailored to each age.

**SECTION A:** FOR AGES 3-6. ADULT CHAPERONE REQUIRED. MONDAY, APRIL 13, 10:30-11:30 AM  
**SECTION B:** FOR AGES 6 AND UP. ADULT CHAPERONE OPTIONAL. MONDAY, APRIL 13, 10:30 AM-NOON  
**FEE:** $8 EACH SECTION; GARDENS MEMBERS $7. REGISTER FOR 5 CLASSES OR MORE AT A FEE OF $7/$6

**POND-A-PALOOZA**

*New!* From tiny invertebrates to turtles, ducks and herons, our ponds are teeming with life. Examine pond life up close and discover how water quality affects living things in a pond ecosystem. Sections will begin at the same time, with two instructors to address different age groups and activities tailored to each age.

**SECTION A:** FOR AGES 3-6. ADULT CHAPERONE REQUIRED. MONDAY, MAY 11, 10:30-11:30 AM  
**SECTION B:** FOR AGES 6 AND UP. ADULT CHAPERONE OPTIONAL. MONDAY, MAY 11, 10:30 AM-NOON  
**FEE:** $8 EACH SECTION; GARDENS MEMBERS $7. REGISTER FOR 5 CLASSES OR MORE AT A FEE OF $7/$6

**NATURE FOR SPROUTS**

Explore the outdoors as we roam through the Gardens looking at worms, dirt, pollinators, birds and flowers. The first three sessions are partnered with the programs listed above, making it possible for siblings of different ages to attend. Sign up for one or all five sections.

**FOR CHILDREN AGES 3-6. ADULT CHAPERONE REQUIRED**

**SECTION 1:** DIRT AND WORMS, MONDAY, MARCH 16, 10:30-11:30 AM  
**SECTION 2:** BIRDING CELEBRATION, FRIDAY, MARCH 27, 10:30-11:30 AM  
**SECTION 3:** PLENTY OF POLLINATORS, MONDAY, APRIL 13, 10:30-11:30 AM  
**SECTION 4:** FLOWER FEST, FRIDAY, APRIL 24, 10:30-11:30 AM  
**SECTION 5:** POND-A-PALOOZA, MONDAY, MAY 11, 10:30-11:30 AM  
**LOCATION:** MEET IN THE DORIS DUKE CENTER  
**FEE:** $8 EACH SECTION; GARDENS MEMBERS $7. REGISTER FOR 5 CLASSES OR MORE AT A FEE OF $7/$6

**GARDENING FOR FAMILIES**

From seed to harvest, learn how a garden grows in this hands-on class. We will garden in the Charlotte Brody Discovery Garden, planting and caring for plants to learn where our food comes from. Participants are welcome to harvest from their plot throughout the growing season.

**ALL AGES WELCOME**

6 TUESDAYS, APRIL 7, 14, 21, 28, MAY 5, 12, 1-2:30 PM  
**LOCATION:** MEET AT CHARLOTTE BRODY DISCOVERY GARDEN ENTRANCE PAVILION  
**FEE:** $42 PER 6-WEEK PROGRAM; GARDENS MEMBERS $36
SPECIAL EVENTS
FOR FAMILIES

SATURDAYS
EXPLORATION STATION

Free! Explore the science of plants and animals with seasonal activities for you and your family. Look for the “Exploration Station” signs in the Charlotte Brody Discovery Garden for demonstrations, stories, experiments and hands-on projects.

EACH SATURDAY FROM APRIL 4 THROUGH MAY 2, 10 AM-NOON
LOCATION: CHARLOTTE BRODY DISCOVERY GARDEN
Free, drop-in event.

THURSDAYS & SATURDAYS
NATURE STORYTIME

Free! Enjoy the outdoors with a story read aloud in the Gardens. Nature-themed stories are followed by a related activity or garden walk.

FOR CHILDREN AGES 3-6. ADULT CHAPERONE REQUIRED.
1ST SATURDAYS, APRIL 4 AND MAY 2, 10:30-11:30 AM
3RD THURSDAYS, APRIL 16 AND MAY 21, 10:30-11:30 AM
LOCATION: PLEASE CHECK AT THE FRONT DESK OF THE DORIS DUKE CENTER FOR LOCATION.
Free, drop-in event. Parking fees apply.

POLLINATOR WEEK

JUNE 15-21, 2015

Free! Learn more about pollinators this week with a BEE-friendly Scavenger Hunt available at the front desk in the Doris Duke Center.
MALLARMÉ CHAMBER PLAYERS

*Dance, Danse, Danzón:* Music from different cultures, composed with dancing in mind.

**Sunday, March 29, 2 PM**
LOCATION: DORIS DUKE CENTER
TICKETS AVAILABLE AT 919-560-2788 OR AT MALLARMEMUSIC.ORG
FEE: $5 FOR CHILDREN (12 AND UNDER); $10 FOR ADULTS

INSTRUMENT ZOO

**Free!** Everyone is welcome to try out an instrument at the Instrument Zoo, available before and after the Mallarmé performance.

**Sunday, March 29, Noon to 3 PM**
*Free, drop-in event.*

**Online & at the Gardens**

**PROJECT BUDBURST:**
You can take action on climate change

**Free!** Plants tell a story about our changing climate. The timing of a plant leafing, flowering and fruiting is affected by temperature, rainfall and day length. Tracking this calendar is called Phenology.

A worldwide network of Citizen Scientists is being created to track the changes in plant seasons, and you can join through Sarah P. Duke Gardens. The data will go into an international resource, the Plant Phenology Network, to assist scientists studying climate.

Look for the Project Budburst icon on our website to help collect the information from plants in North Carolina. Or go to budburst.org/gardens-duke.
Come to camp at Duke Gardens!

We have camps scheduled for spring break and all through the summer. Each week we’ll explore themes with different activities, so you can come all summer to enjoy discovering nature.

**CAMP THEMES:** Programs are revised for each age group and each session so the week’s activities are suitable, fun and challenging for each age and each group of children.

### NATURE ADVENTURES CAMP TOPICS

**NATURE ADVENTURES: SPRING BREAK CAMP**
Discover spring in the Gardens. Learn about food, art and animals in this week-long adventure.

**NATURE ADVENTURES: GROW YOUR OWN FOOD**
Plant, harvest and taste fruits and vegetables in the Charlotte Brody Discovery Garden. Learn how soil is made, cook with the heat of the sun and discover how food gets to your plate. Each week we will explore this theme through different plants and cooking skills.

**NATURE ADVENTURES: ART INSPIRATION**
Nature is inspiring, with all the distinctive shapes, colors and patterns you can find! Explore Duke Gardens through art as you sharpen your creativity and observation skills. Each week we will explore a range of creative activities to enrich your skills and confidence.

**NATURE ADVENTURES: ANIMALS IN THE GARDENS**
Prowl your way around the Gardens looking high and low to discover the animals that live here. From birds in the trees to life underground, we will look at different habitats each week.

**END OF SUMMER CAMP REUNION (NEW THIS YEAR!)**
All camp participants are invited back to the Gardens for a special day of activities. It is an opportunity to see friends you made at camp, check on the garden, taste the vegetables you planted and give your family a tour to show them projects you worked on. Date to be announced.
## NATURE ADVENTURES CAMP SPRING BREAK & SUMMER SCHEDULE

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<th>CHILD’S AGE</th>
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<th>CAMP TOPIC</th>
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<td>ANIMALS IN THE GARDEN</td>
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CAMP HOURS: 9 AM-1 PM, MONDAY-FRIDAY; EXTENDED DAY FROM 1-4 PM.
NO EXTENDED CARE AVAILABLE FOR SPRING BREAK CAMP.
LOCATION: ARRIVAL AND PICKUP AT DORIS DUKE CENTER • FEE: $200 PER WEEK,
$170 FOR ADDITIONAL SIBLINGS OR WEEKS. EXTENDED CARE AVAILABLE AT $100 PER WEEK.
Non-refundable deposit of $100 per child per week is required to reserve a spot. Full payment due 2 weeks
before the start date of each camp. Scholarship application available upon request.

## SUMMER GARDEN WORKSHOPS: Ages 12-16

### SIZZLE AND SAUTÉ IN THE GARDENS
Gain independence by learning to turn fresh vegetables into delicious food that’s good, and
good for you. Mince, sauté and bake from seasonal produce and fresh herbs and get in some
gardening know-how while you’re at it.

TUESDAY-THURSDAY, JUNE 30-JULY 2, 10 AM-3 PM
LOCATION: CHARLOTTE BRODY DISCOVERY GARDEN • FEE: $200 • PARTICIPANT LIMIT: 12

### GIRLS IN THE GARDENS: AN HERBAL SPA FOR YOUNG WOMEN
Take time to refresh, rejuvenate and empower yourself by learning to make natural self-
care products in a supportive environment. Take home freshly made salves, oils, and teas
from the gardens.

TUESDAY – THURSDAY, JULY 14-16, 10 AM-3 PM
LOCATION: CHARLOTTE BRODY DISCOVERY GARDEN • FEE: $200 • PARTICIPANT LIMIT: 12
Sarah P. Duke Gardens School Programs

Our school programs introduce students to the wonders and complexities of our natural world. Each program is age-appropriate and supports Common Core as well as North Carolina Standard and Extended Course of Study. The programs are led by skilled docents familiar with the Gardens. All programs can be adjusted to suit your classroom goals.

HOW TO REGISTER: Thanks for working with us to register all groups, guided or self-guided. Collaboration helps us provide the best experience for your students. Registration is required for all groups planning to visit the Gardens.

A Registration Form is available at gardens.duke.edu, or request by calling 919-668-1707 or emailing gardeneducation@duke.edu

GUIDED SCHOOL PROGRAMS: Available Tuesday through Friday. Each program is planned for 1 to 1 ½ hours, or enriched and extended if your schedule allows. Fee of $3 per student, with the exception of Garden Walk ($1 per student); $30 minimum.

ALL GRADE LEVELS

• A GARDEN WALK: For larger groups with limited time, we introduce students to the four major garden areas. This program is planned for 1 hour or less. Fee $1 per student.

• DISCOVERY GARDEN: Introduce students to agriculture and sustainable gardening. What’s the difference between a fruit and a vegetable? What parts of plants do we eat? See bees, chickens, an orchard, vegetables and fruits, a historic tobacco barn and more.
PRE-K – K

• FARM AND FOLK TALES: Learn about fruits, vegetables and animals in the garden through stories and garden activities.

• SENSE-ATIONAL STROLL: Engage all of your senses as you touch, smell, hear, taste and see your way through the garden on this guided walk.

• BIRDS AND BUTTERFLIES: Look up to discover the amazing world of winged wildlife in the garden. Through song and movement, learn how birds and butterflies are born.

• WORMS: Take a close look at life underground and learn how wiggling worms help the garden grow. What is a worm’s life cycle? How do they move? What do they eat? You’ll learn this and more.

• KNOCK, KNOCK. WHO’S THERE?: Tiptoe through the garden to find signs of animals at home. Learn who lives in the ground and who lives in a tree.

FIRST GRADE

• HABITAT HUNTERS: What do plants and animals need to survive? Go on a scavenger hunt to find animal homes in the Gardens. Find resources and learn how living things get what they need.

SECOND GRADE

• BUG’S LIFE: What is an insect? Where do they live? Students will learn about and compare the life cycles of garden insects by studying them in their natural habitat.

SECOND GRADE PARTNERED SCHOOL PROGRAM

• DOUBLE EXPOSURE: Connecting Science and Art at Duke Gardens and Nasher Museum of Art. An innovative program for 2nd grade school groups with a full day experience that connects science and art. Students visit both Duke Gardens and Nasher Museum of Art. To register please contact the Nasher’s education office at 919-684-1169.

FOR GRADE LEVELS 3-8

• HAIKU TRAIL INTO THE GARDENS (recommended for 3rd – 8th grades): Discover the secrets of haiku while journeying through the garden.

THIRD GRADE

• SOIL CITY: Explore the world of ants, earthworms, pillbugs and other soil dwellers. Students examine basic soil properties throughout the garden and discover how soil supports the growth and survival of living things

• PLANT POWER: Take a trip through the life cycle of a plant. Learn the different plant structures and how they work to help the plant grow and thrive.
FOURTH GRADE

• **NATIVE TALES**: Plants have stories to tell. The Blomquist Garden of Native Plants serves as our classroom as students discover native N.C. plants and their uses.

• **TREE DETECTIVES** *(recommended for 4th and 5th grades)*: Working in a variety of ecosystems, students identify clues and discover the special qualities, adaptations and identifying structures of different trees.

FIFTH GRADE

• **BEYOND THE POND**: Students will examine a pond ecosystem and learn the infinite connections between the plants and animals, and how human activities affect the pond. Includes hands-on exploration of pond life. Limited to 20 students.

• **GARDEN FOOD WEB**: Plants, animals, and decomposers in the Gardens are connected in a web of life. Students will create a habitat web and learn the importance of all the community’s connections.

• **TREE DETECTIVES** *(recommended for 4th and 5th grades)*: Working in a variety of ecosystems, students identify clues and discover the special qualities, adaptations and identifying structures of different trees.

SIXTH GRADE

• **THE FOREST AND THE FARM**: Explore the Blomquist Garden of Native Plants to learn how ancient civilizations found their food, and the Charlotte Brody Discovery Garden to learn about the history of agriculture.

TEACHER TRAININGS

**THE NATURE OF ART AND THE ART OF NATURE**: Connecting Visual Arts and Natural Science in the Elementary School Classroom and Beyond

**WEDNESDAY & THURSDAY, JUNE 24 & 25, 9 AM-4 PM** • FEE: $200 • PARTICIPANT LIMIT: 12
Registration available through the Nasher Museum of Art, 919-684-8816.

**LEARNING WITH NATURE**: Teacher Training for Early Childhood Providers

Content will include indoor and outdoor hands-on activities that encourage interacting with nature, making environmental connections, facilitating conversations about nature with young children, and ideas for ways to bring nature into the classroom.

*Available for groups upon request. Contact us for more details or to schedule this professional development opportunity. 2-4 hours. Participant limit: 25. Fee will be determined on a sliding scale.*

Please visit the “learn” page at gardens.duke.edu or call 919-668-1707.
Free Events & Special Programs

ART AND NATURE: Artwork inspired by the Historic Gardens at Duke Gardens

Experience the beauty of nature, as seen through an artist’s eye. The richness and history of Duke Gardens will serve as inspiration for local artists in this exhibit. Up to 40 works, both two- and three-dimensional, will be on display from more than 20 artists. The artists may focus upon the Terrace Gardens, the Butterfly Garden or the Perennial Allée in creating their work of art to display.

Free, DROP-IN exhibit for all AGES. ADULT CHAPERONE REQUIRED.
SATURDAY, MARCH 14, EXHIBIT OPENS 9 AM-4 PM
SATURDAY, MARCH 14, 4:30-6 PM, PLEASE JOIN US FOR AN ARTISTS’ RECEPTION
EXHIBIT CLOSES FRIDAY, MARCH 20, 4 PM
LOCATION: DORIS DUKE CENTER
Parking fees apply on weekdays from 9 am to 5 pm and Saturday/Sunday after 1 pm.

SARAH P. DUKE GARDENS SPRING PLANT SALE

Spring brings out the gardener in all of us! The Spring Plant Sale provides a special opportunity to acquire unique plants grown here at Duke Gardens, and quality grown plants from local nurseries that have proven their worth in North Carolina gardens. Duke Gardens members will have first access to purchase plants on Friday, March 27, from 4-6 p.m. Memberships are available on site during the preview sale and on the day of the sale.

THE SALE IS OPEN TO THE PUBLIC ON SATURDAY, MARCH 28, FROM 8 AM-NOON
FURTHER INFORMATION AT GARDENS.DUKE.EDU
FRIDAY, MARCH 27, 4-6 PM, GARDENS MEMBERS PREVIEW
MEMBERS’ DISCOUNT DOES NOT APPLY.
THIS URBAN PLANET

Will Wilson, associate professor, Department of Biology, Duke University; author, “Constructed Climates”

More and more of us live in urban environments. What does that mean for both the environment and for our health and well-being? Will presents the essential aspects of an urban climate and discusses how they impact temperature and air quality. He will outline the value of an urban forest and ask whether disparities in the urban tree canopy echo inequalities in other community resources. Using examples from across the U.S.—including Durham—we will understand more about the choices that challenge our communities, and the solutions.

THURSDAY, APRIL 2, 7-8:30 PM
No fee; pre-registration required. Parking fees apply

PROJECT BUDBURST:
You can take action on climate change

Plants tell a story about our changing climate. The timing of a plant leafing, flowering and fruiting is affected by temperature, rainfall and day length. Tracking this calendar is called Phenology.

A worldwide network of Citizen Scientists is being created to track the changes in plant seasons, and you can join through Sarah P. Duke Gardens. The data will go into an international resource, the Plant Phenology Network, to assist scientists studying climate.

Look for the Project Budburst icon on our website to help collect the information from plants in North Carolina. Or go to budburst.org/gardens-duke.

POLLINATOR PARADISE

Debbie Roos, North Carolina Agriculture Extension Agent, Chatham County

Pollinators are essential to our food supply and, in turn, our health. Debbie’s work in Chatham County with small farmers and beekeepers led her towards a growing concern about pollinator conservation. As one outcome she established demonstration pollinator gardens around Chatham County. Join us to see the garden at Chatham Mills, learn more about how to create your own pollinator garden and celebrate national Pollinator Week. Transportation provided. We will depart from the Gardens at 8:45 am to meet Debbie and tour the garden until late morning. Then a stop for lunch before returning to Duke Gardens by 1 pm. Lunch in a renovated historic mill building, at the restaurant Oakleaf.

SATURDAY, JUNE 20, 8:45 AM-1 PM • LOCATION: MEET IN THE UPPER LOT OF DUKE GARDENS
FEE: $30; GARDENS MEMBERS $25. FEE DOES NOT INCLUDE LUNCH.
**BEE SCHOOLED**

*Durham Beekeepers Club*

**New!** Learn everything necessary to be a successful beekeeper. This 10-week course will cover the fundamentals, including planning, equipment needs, annual calendars and hive products. You will also learn specific information about bees, from genetics and nutrition to disease prevention and nectar and pollen sources. The instructors are experienced, certified beekeepers and State of North Carolina Apiary Inspectors. Participants will complete their testing to become certified beekeepers.

*10 MONDAYS, JAN. 19-MARCH 23, 6:30-8:30 PM*
*1 SATURDAY FIELD SESSION, MARCH 28, TIME TBA*
*FEE: $50. Proceeds support the Durham County Beekeepers Club and Duke Gardens.*

**ORGANIC VEGETABLE GARDENING: Winter**

*Andy Currin, avid vegetable gardener and Duke University campus horticulturist*

Winter allows you time to slow down in the garden, evaluate the season and plan for next year. This class will focus on winter season strategies, including sowing winter cover crops and extending your growing season with cold frames and other techniques. Class includes indoor discussion and outdoor practice in the Charlotte Brody Discovery Garden. Class textbook is included for those beginning this series.

*3 TUESDAYS, JAN. 20-FEB. 3, 6:30-8:30 PM*
*SATURDAY FIELD SESSION JAN. 31, 9:30-11:30 AM*
*PARTICIPANT LIMIT: 15*
*FEE: $110; GARDENS MEMBERS $90 Qualifies for Home Horticulture Certificate elective course (8 hours)*

Helen Yoest, author and garden writer

Are some plants aphrodisiacs, or is that just a myth? Garden expert and plant detective Helen Yoest takes us on a romp through history, lore and ethnobotany. She explores a roster of 45 plants to uncover how they got their “hot” reputation, and what modern science has to say about it. Discover which common garden plants and favorite edibles have that “something extra,” and why. Helen’s latest book, “Plants with Benefits,” is filled with lush photography, growing tips, and recipes for preparing teas, potions and tasty treats for your pleasurable use. Helen’s book will be available for purchase and signing after the presentation.

Tuesday, Jan. 27, 7-9 PM
FEE: $10; Gardens members $8

Walk on the Wild Side

Stefan Bloodworth, curator, or Annabel Renwick, horticulturist, Blomquist Garden of Native Plants, Duke Gardens

Explore wild North Carolina in these seasonal walks through the Blomquist Garden of Native Plants on the first Thursday of every month.

1st Thursdays, Feb. 5, March 5, April 2, May 7, June 4, July 2, Aug. 6, 11 AM-Noon
Location: Meet at the Blomquist Garden entrance
Participant limit: 15
FEE: $7; Gardens members $5
Pre-registration required. Parking fees apply

Mushroom Logs

Andy Currin, avid vegetable gardener and Duke University campus horticulturist

Enjoy fresh shitake mushrooms grown in your own garden! Each participant will be supplied with a 12” section of log, pre-drilled and ready to “plant” with mushrooms. Andy will take you through the process of seeding the log, sealing it with wax, and then maintaining it for the six months it will take to grow your first crop of mushrooms. Each log should produce mushrooms for several years.

Section A: Saturday, Feb. 7, 10 AM-Noon
Section B: Saturday, Feb. 7, 1-3 PM
Participant limit: 15
FEE: $35; Gardens members $30
**BASIC BOTANY AND PLANT GROWTH**

*Alec Motten, associate professor, Duke University Department of Biology*

How does a plant grow? How does it manage water and nutrients? What factors influence the production of flowers and fruits? This course will explore these questions and more through a combination of lecture and hands-on approaches. Previous participants have commented that Alec’s enthusiasm and skillful instruction make the topic come alive.

4 TUESDAYS, FEB. 10-MARCH 3, 6-9 PM
PARTICIPANT LIMIT: 15
FEE: $130; GARDENS MEMBERS $110
Qualifies for Home Horticulture Certificate required course

**SPRING FLOWER WALK IN THE ARBORETUM**

*Paul D. Jones, curator, or Michelle Rawlins, horticulturist, Culberson Asiatic Arboretum, Duke Gardens*

The Asiatic Arboretum holds many fascinating plants, displayed in beautiful and ever-changing combinations. Join our expert staff as they guide you to several little-known garden spaces and unique plants. You will enjoy the arboretum in an entirely new way.

FRIDAY, MARCH 6, 10 AM-NOON
LOCATION: MEET AT THE DORIS DUKE CENTER
PARTICIPANT LIMIT: 15
FEE: $7; GARDENS MEMBERS $5
Pre-registration required. Parking fees apply

**TURF**

*Andy Currin, campus horticulturist, Duke University*

*New!* Lawns and Durham are often in conflict. What is a lawn connoisseur to do? Our seasons are too hot or too cold, first too wet and then too dry. Join Andy as he offers practical information and advice on how to work with both warm and cool season turf grasses. Understanding the conditions that favor each of these grasses will help you create a better lawn.

SATURDAY, MARCH 7, 9:30 AM-12:30 PM
LOCATION: DORIS DUKE CENTER
PARTICIPANT LIMIT: 15
FEE: $25; GARDENS MEMBERS $20
I NEED A PLAN: The Fundamental Steps to Create a Garden

GETTING STARTED
Jan Little, landscape architect and Duke Gardens’ director of education and public programs
Make better choices by beginning with a scaled drawing of your garden area. Using this drawing we will also assess light, water and soil conditions so you are ready to move ahead with the garden design and plant selections.

CREATE A COLORFUL MIXED BORDER
Beth Rudd-Myers, landscape designer, Brightleaf Landscaping
Successful planting design uses a combination of texture, seasonality, color and size in a planting of shrubs, perennials and groundcovers to maximize beauty and minimize maintenance. Practice these skills with Beth’s guidance as she introduces you to a variety of plants and design strategies to create your own beautiful border.

CREATE A POLLINATOR GARDEN
Lauri Lawson, Niche Gardens
Build a pollinator haven in your garden! Discover the pollinators native to our region and then create a plant list that includes everything needed by them, from food to shelter. Finally, learn to filter your list to match your existing conditions, whether your garden is sunny, shady, dry or wet.

CREATE A CULINARY HERB GARDEN
Heather Hill, children’s program manager, SEEDS
Add flavor and scent to your garden with an herb garden. Learn from Heather how to build a garden for your favorite herbs and then how to harvest and save those herbs for delicious cooking.
PLANT PROPAGATION

Jason Holmes, curator, Jan Watson, horticulturist, Lindsey Fleetwood, horticulturist, and Sara Smith, volunteer propagation team, Duke Gardens

Learn to grow your own plants using a variety of techniques. Each session of this class will feature a different propagation skill, including time in the Gardens discussing propagation of specific plants and time in the greenhouse practicing your skills. Here is your chance to expand your plant collection with expert guidance. Sign up for one or all four sessions. Fee for complete series: $72; Gardens members: $56.

SEEDS: Learn what grows well from seed, and how to start and grow them into plants to enjoy.

**TUESDAY, MARCH 10, 10:30 AM-NOON • LOCATION: GREENHOUSE CLASSROOM**
**PARTICIPANT LIMIT: 15 • FEE: $20; GARDENS MEMBERS $16**
Qualifies for Home Horticulture Certificate elective course (1.5 hours)

**DIVIDING A PLANT**: Join this class to see a variety of plants divided to form multiple plants and learn how to assess a plant for division.

**TUESDAY, APRIL 21, 10:30 AM-NOON • LOCATION: GREENHOUSE CLASSROOM**
**PARTICIPANT LIMIT: 15 • FEE: $20; GARDENS MEMBERS $16**
Qualifies for Home Horticulture Certificate elective course (1.5 hours)

**CUTTINGS**: Collect plant cuttings from the Gardens and learn how to root them.

**2 TUESDAYS, MAY 5 & 12, 10:30 AM-NOON • LOCATION: GREENHOUSE CLASSROOM**
**PARTICIPANT LIMIT: 15 • FEE: $40; GARDENS MEMBERS $32**
Qualifies for Home Horticulture Certificate elective course (3 hours)

**PLANT LAYERING**: Learn the various techniques of rooting plants right where they’re growing.

**TUESDAY, MAY 19, 10:30 AM-NOON • LOCATION: GREENHOUSE CLASSROOM**
**PARTICIPANT LIMIT: 15 • FEE: $20; GARDENS MEMBERS $16**
Qualifies for Home Horticulture Certificate elective course (1.5 hours)

ORGANIC VEGETABLE GARDENING: SPRING

Andy Currin, avid vegetable gardener and Duke University campus horticulturist

A bountiful year will be yours with the information Andy shares in this class. Learn to maximize yield while planning for a sequence of seasons and minimizing maintenance. Strategies for dealing with summer heat, improving your soil and using water-wise methods will be discussed. Andy will also share information about providing habitat for beneficial insects and attracting native pollinators. Textbook provided for those beginning the series.

**3 WEDNESDAYS, MARCH 11-25, 6:30-8:30 PM, AND SATURDAY, MARCH 21, 9:30-11:30 AM**
**LOCATION: DORIS DUKE CENTER • PARTICIPANT LIMIT: 15**
**FEE: $110; GARDENS MEMBERS $90**
Qualifies for Home Horticulture Certificate elective course (8 hours)
ZOOM IN SERIES

Robert Thornhill, local plant ecologist

Take a close-up look at plants in this Zoom In class. From a zoomed-in perspective you will discover the architecture of a plant and what makes it unique. Join us for one “Zoom In” session, or all. Fee for the complete series: $46; Gardens members: $36.

LOCATION: MEET AT THE DORIS DUKE CENTER
PARTICIPANT LIMIT: 12
Qualifies for Home Horticulture Certificate elective course (1.5 hours each)

FRAGRANT DAPHNE AND PAPERBUSH
Spring is not complete without the amazing perfume of Daphne and paperbush shrubs. Learn about these fragrant cousins in a quick “zoom in” class.

THURSDAY, MARCH 12, 5:30-7 PM • FEE: $12; GARDENS MEMBERS $10

MAGNOLIAS
Enjoy meeting one of the oldest flowering plants, the magnolias. This ancient plant seems to have evolved before pollinating bees came on the scene. Robert will give you a glimpse into ancient times and how the magnolia survived.

THURSDAY, APRIL 2, 5:30-7 PM • FEE: $12; GARDENS MEMBERS $10

THE AMAZING NON-FLOWERING PLANTS
Flowers produce seeds, and seeds produce new plants. So, how do non-flowering plants such as ferns and mosses reproduce? Join Robert to learn more about the lifestyle of the non-flowering group.

THURSDAY, APRIL 30, 5:30-7 PM • FEE: $12; GARDENS MEMBERS $10
PLANTS OF DISTINCTION: SPRING & SUMMER

Beautiful plants that provide color, delight, fragrance and seasonality—these are plants of distinction. Sign up separately for each session to learn about a new group of beautiful and useful plants, or take all five sections.

HELLEBORES IN THE WINTER GARDEN: TUESDAY, FEB. 24, 2:30-4 PM
Jason Holmes, curator, Doris Duke Center Gardens, Duke Gardens

Greet spring and learn more about this amazing group of early blooming plants. We have been building our hellebore collection, so you can see many new hybrids.

THE SPRING AWAKENING: THURSDAY, MARCH 12, 2:30-4 PM
Stefan Bloodworth, curator, Blomquist Garden of Native Plants, Duke Gardens

Learn about the workings of spring as we discuss the intricate biochemical cues that lead to emerging buds, flowers and new growth.

THE SCENT OF SPRING: THURSDAY, MARCH 26, 2:30-4 PM
Jason Holmes, curator, Doris Duke Center Gardens, Duke Gardens

Spring is a fragrant season; take a walk with Jason to learn of plants that charm us with their springtime perfumes.

THE TERRACES PREVIEW: THURSDAY, APRIL 16, 2:30-4 PM
Mike Owens, curator, Historic Gardens, Duke Gardens

The Terraces are re-planted several times over the course of a growing season. Walk through this garden with Mike to learn which plant combinations to watch this season.

EARLY SUMMER BLOSSOMS: THURSDAY, JUNE 11, 2:30-4 PM
Bobby Mottern, director of horticulture, Duke Gardens

Duke Gardens displays plants in bloom throughout the year. Learn which plants ornament our early summer in this stroll through the Gardens to see fringe trees, late magnolias, peonies and more.

LOCATION: DORIS DUKE CENTER
FEE: $7; GARDENS MEMBERS $5. SIGN UP FOR THE ENTIRE SERIES FOR $30; GARDENS MEMBERS $20.
PARTICIPANT LIMIT PER SESSION: 15
Qualifies for Home Horticulture Certificate elective course (1.5 hours each)
Qualifies for Nature Photography Certificate optional course
CITIZEN SCIENCE AND CLIMATE CHANGE

Tracy Feldman, ecologist and natural historian

New! What impact will climate change have on our lives? How might climate change affect plants and animals in our own back yards? This class will cover the basics of climate change and how the altered seasonal patterns will affect interactions between plants and animals. We will explore ways we can contribute to research on climate change through citizen science. Information collected by citizen scientists provides a wealth of crucial data for research. As a part of this class, participants will meet at two stunning local field sites to find spring ephemeral wildflowers and to practice data collection.

3 THURSDAYS, MARCH 12-26, 7-9 PM
2 SATURDAYS, MARCH 14 & 21, MEET AT FIELD SITES, 9:30-11:30 AM
PARTICIPANT LIMIT: 12 • FEE: $120; GARDENS MEMBERS $95
Qualifies for Home Horticulture Certificate elective course (10 hours)
Qualifies for Nature Photography Certificate elective course (10 hours)

ART AND NATURE: Artwork inspired by the Historic Gardens at Duke Gardens

Free! Experience the beauty of nature, as seen through an artist’s eye. The richness and history of Duke Gardens will serve as inspiration for local artists in this exhibit. Up to 40 works, both two- and three-dimensional, will be on display from more than 20 artists. The artists may focus upon the Terrace Gardens, the Butterfly Garden or the Perennial Allée in creating their work of art to display.

FREE, DROP-IN EXHIBIT FOR ALL AGES. ADULT CHAPERONE REQUIRED.
SATURDAY, MARCH 14, EXHIBIT OPENS 9 AM-4 PM • LOCATION: DORIS DUKE CENTER
SATURDAY, MARCH 14, 4:30-6 PM, PLEASE JOIN US FOR AN ARTISTS’ RECEPTION
EXHIBIT CLOSES FRIDAY, MARCH 20, 4 PM
Parking fees apply on weekdays from 9 am to 5 pm and Saturday/Sunday after 1 pm.

BONSAI: Create your own bonsai plant

Harold Johnson, Triangle Bonsai Society

Learn the ancient art of bonsai and start a bonsai to take home and grow. These carefully trained and dwarfed plants reflect the grower’s artfulness and knowledge of horticulture. Harold will discuss the different bonsai styles and traditions. Plant, container, materials and soil medium supplied in class for a hardy, outdoor bonsai plant. For more information about bonsai, please visit www.trianglebonsai.com. Bring a lunch to enjoy as you finish up your bonsai plant.

SATURDAY, MARCH 14, 9:30 AM-1:30 PM
LOCATION: DORIS DUKE CENTER
PARTICIPANT LIMIT: 15
FEE: $100; GARDENS MEMBERS $80
LANDSCAPE PLANTS FOR NORTH CAROLINA GARDENS

Jan Little, director of education and public programs, Duke Gardens

Expand your palette of plants with information from this class. Each season this class covers another group of approximately 75 plants suitable for North Carolina gardens. You will learn identification skills and design use, and understand the culture of each plant. Class time is primarily outdoors and each student receives a portfolio of photos showing the plants studied that season.

SPRING: 4 WEDNESDAYS, MARCH 18 & 25, APRIL 1 & 8, 4-6 PM
SUMMER: 4 WEDNESDAYS, MAY 13, 20 & 27, JUNE 3, 4-6 PM
LOCATION: DORIS DUKE CENTER
PARTICIPANT LIMIT: 15
FEE PER SESSION: $110; GARDENS MEMBERS $90
Qualifies for Home Horticulture Certificate required course
Qualifies for Nature Photography certificate optional course

PICK A PACK OF FRESH FRUIT

Andy Currin, avid vegetable gardener and Duke University campus horticulturist

New! Growing strawberries, berries, grapes and figs can keep you in fresh fruit throughout the season. Learn the organic methods to improve yield, including fertilizing, disease suppression and pruning techniques.

SATURDAY, MARCH 21, 1-3 PM
LOCATION: DORIS DUKE CENTER
PARTICIPANT LIMIT: 15
FEE: $25; GARDEN MEMBERS $20
Qualifies for Home Horticulture Certificate elective course (2 hours)

SARAH P. DUKE GARDENS SPRING PLANT SALE

Free! Spring brings out the gardener in all of us! The Spring Plant Sale provides a special opportunity to acquire unique plants grown here at Duke Gardens, and quality grown plants from local nurseries that have proven their worth in North Carolina gardens. Duke Gardens members will have first access to purchase plants on Friday, March 27, from 4-6 p.m. Memberships are available on site during the preview sale and on the day of the sale.

THE SALE IS OPEN TO THE PUBLIC ON SATURDAY, MARCH 28, FROM 8 AM-NOON
FURTHER INFORMATION AT GARDENS.DUKE.EDU
FRIDAY, MARCH 27, 4-6 PM, GARDENS MEMBERS PREVIEW MEMBERS’ DISCOUNT DOES NOT APPLY.
THIS URBAN PLANET

Will Wilson, associate professor, Department of Biology, Duke University; author, “Constructed Climates”

More and more of us live in urban environments. What does that mean for both the environment and for our health and well-being? Will presents the essential aspects of an urban climate and discusses how that impacts temperature and air quality. He will outline the value of an urban forest and ask whether disparities in the urban tree canopy echo inequalities in other community resources. Using examples from across the U.S.—including Durham—we will understand more about the choices that challenge our communities, and the solutions.

THURSDAY, APRIL 2, 7-8:30 PM
No fee; pre-registration required. Parking fees apply

CARING FOR YOUR LANDSCAPE

Hilary Nichols, garden manager, SEEDS

Suddenly the landscape is planted and you are faced with garden maintenance! In this class we will take you through the steps of establishing a new landscape, watering, plant staking and plants’ nutritional needs. Then we’ll consider long-term maintenance tasks, including pruning, weed control, fertilizing and pest control.

3 SATURDAYS, APRIL 18-MAY 2, 9:30-11:30 AM • LOCATION: GREENHOUSE CLASSROOM PARTICIPANT LIMIT: 15 • FEE: $75; GARDENS MEMBERS $60 Qualifies for Home Horticulture Certificate required course

THE WOMEN OF DUKE GARDENS

Join us to walk the Gardens and hear stories of the women who played a key role in the design and development of Duke Gardens. See how they brought their talents and energy to build the garden we enjoy today.

TUESDAY, APRIL 21, 3-4 PM • PARTICIPANT LIMIT: 15 • FEE: $7; GARDENS MEMBERS $5 Pre-registration required. Parking fees apply. This topic is also available for private tours. Please call 919-668-1707 for details.

SPRING BINGE: A Big Bloomers Bus Trip

Join us on a plant-purchasing trip to Big Bloomers Flower Farm in Sanford, N.C. As per their website, Big Bloomers specializes in new, unusual, and native perennials, annuals, herbs and shrubs. Most of the Big Bloomers staff are experienced gardeners that are knowledgeable and ready to assist you. We will have a van with plenty of storage to transport you and your new plants. After shopping we will stop for lunch on your own.

WEDNESDAY, APRIL 22, DEPART FROM THE GARDENS AT 8:30 AM, RETURNING NO LATER THAN 1:30 PM LOCATION: MEET AT DUKE GARDENS • PARTICIPANT LIMIT: 10 FEE: $20; GARDENS MEMBERS $15. FEE DOES NOT INCLUDE LUNCH.
THE ARTFUL GARDEN

W. Gary Smith, landscape architect and author, “From Art to Landscape: Unleashing Creativity in Garden Design”

New! To be unique a garden must find a balance, one that reflects both the site and the individual that shapes it. But how do you arrive at that balance? Gary will introduce you to an approach that uses the tools and perspective of the artist to design a garden that is exceptional. Learn to nurture your creativity and imagination, discovering skills that will help you build a spectacular garden.

THURSDAY, APRIL 23, 7-9 PM
FEE: $25; GARDENS MEMBERS $20
Pre-registration required. Parking fees apply.
Gary will be available to sign copies of his book after the lecture.

THE WATER FEATURES OF DUKE GARDENS

New! The Gardens may be as much about water as they are about plants. Join us to look at all the water features in the Gardens, from ponds to streams, fountains, and the new water features in the Japanese Stream Garden. Learn how water can act as “white” noise, minimizing the impact of other sounds.

TUESDAY, MAY 5, 3-4 PM
PARTICIPANT LIMIT: 15
FEE: $7; GARDENS MEMBERS $5
Pre-registration required. Parking fees apply.
This topic is also available for private tours. Please call 919-668-1707 for details.

THE WOW FACTOR: How Line, Texture and Color Impact Your Garden

Bobby Mottern, landscape architect and Duke Gardens horticulture director

New! The best gardens feel somehow effortless and exciting. They have a WOW impact that you want in your own garden. Bobby will introduce you to three design elements that will help you create that garden. Learn about line, texture and color in this class and add movement, balance, harmony and occasionally an element of surprise to your garden.

SECTION A: LINE, THURSDAY, MAY 14, 10:30 AM-NOON
SECTION B: TEXTURE, THURSDAY, MAY 21, 10:30 AM-NOON
SECTION C: COLOR, THURSDAY, MAY 28, 10:30 AM-NOON
LOCATION: MEET AT THE DORIS DUKE CENTER
PARTICIPANT LIMIT: 15
FEE PER SECTION: $15; GARDENS MEMBERS $12
FEE FOR ALL: $39; GARDENS MEMBERS $33
Qualifies for Home Horticulture Certificate elective course (1.5 hours each)
NORTH CAROLINA: You Live in a Biodiversity Hotspot

Dr. Peter White, Department of Biology, North Carolina Botanical Garden, UNC Chapel Hill

The ecological story of North Carolina and the Southeast United States is a complicated tale. It includes tropical forests, oceans, mountains and glaciers, to name a few of the big events. These natural advantages were clear to early European settlers, including Thomas Ashe, who wrote in 1682 that “the whole country seems but one continuous park.” Join us to hear Dr. Peter White discuss the exceptional range of species endemic to the Southeast. This amazing story also speaks to the environmental wealth that shapes our lives and reminds us to protect that eco-wealth for future generations.

WEDNESDAY, MAY 20, 7-8:30 PM
LOCATION: DORIS DUKE CENTER
FEE: $13; GARDENS MEMBERS $10

WHO LIVES HERE?

Look at the Gardens from an animal’s point of view. Where can you find shelter, food and water? The Gardens provide these for birds, pollinators and a host of other creatures. Learn more about the web of life at Duke Gardens.

THURSDAY, JUNE 11, 2-3 PM
PARTICIPANT LIMIT: 15
FEE: $7; GARDENS MEMBERS $5
Pre-registration required. Parking fees apply.
This topic is also available for private tours. Please call 919-668-1707 for details.

POLLINATOR PARADISE

Debbie Roos, North Carolina Agriculture Extension Agent, Chatham County

Pollinators are essential to our food supply and, in turn, our health. Debbie’s work in Chatham County with small farmers and beekeepers led her towards a growing concern about pollinator conservation. As one outcome she established demonstration pollinator gardens around Chatham County. Join us to see the garden at Chatham Mills, learn more about how to create your own pollinator garden and celebrate national Pollinator Week. Transportation provided. We will depart from the Gardens at 8:45 am to meet Debbie and tour the garden until late morning. Then a stop for lunch before returning to Duke Gardens by 1 pm. Lunch in a renovated historic mill building, at the restaurant Oakleaf.

SATURDAY, JUNE 20, 8:45 AM-1 PM
LOCATION: MEET IN THE UPPER LOT OF DUKE GARDEN
FEE: $30; GARDENS MEMBERS $25. FEE DOES NOT INCLUDE LUNCH.
DURHAM GARDEN FORUM

An informal group independent of Duke Gardens, the forum meets once a month to enrich its members’ gardening knowledge and skill. Sponsored in partnership with the N.C. Cooperative Extension: Durham County Center.

ORGANIC SUSTAINABLE VEGETABLE GARDENING • March 17
Keith R. Baldwin, Ph.D., farm services coordinator, Carolina Farm Stewardship Association

SMALL FRUITS FOR THE HOME GARDEN • April 21
Gina Fernandez, professor, Dept. of Horticultural Science, N.C. State University

SUCCULENTS • May 19
Karen Neil, Guilford County horticulture agent, N.C. Cooperative Extension

CREATING STUNNING PERENNIAL GARDENS • June 16
Michelle Wallace, Durham County extension agent, N.C. Cooperative Extension

2015 GARDENERS’ FAIR: ASK THE EXPERTS • July 21
Area experts and garden suppliers

TUESDAYS, 6:30-8 PM
LOCATION: DORIS DUKE CENTER
LECTURE FEE: FORUM MEMBERS FREE WITH ANNUAL MEMBERSHIP.
$10 PER MEETING FOR NON-MEMBERS PAYABLE TO DURHAM GARDEN FORUM.
For membership information, please email durhamgardenforum@gmail.com.
No pre-registration necessary. Parking is free.
EXTENSION GARDENER SERIES
with Durham County Master Gardeners

Sponsored in partnership with the N.C. Cooperative Extension Service: Durham County Center

LOCATION: DORIS DUKE CENTER
Free drop-in events. No parking fees after 5 pm. Registration requested at 919-668-1707

ATTRACTING BEEs, BUTTERFLIES AND BIRDS
Thursday, March 19, 6:30-8 PM
Faye McNaull and Lynne Nelson, Durham County Extension master gardeners

Plants make the world go around! But they can’t do that without their partners: the pollinating bees, butterflies and birds. You can help those pollinators in your garden. Faye and Lynne will introduce you to the means, methods and products to create a pollinator-friendly garden in even the smallest yard.

MADE IN THE SHADE
Thursday, April 30, 6:30-8 PM
Michelle Wallace, Durham County extension agent, N.C. Cooperative Extension

Have you got shade and not sure what to plant that will look great? This talk will help you plan your shade garden. You will begin to realize what an asset it can be to have a garden that is made for the shade.

GARDENING IN DURHAM FOR BEGINNERS AND TRANSPLANTS: EVERYTHING YOU NEED TO SUCCEED
Thursday, May 21, 6:30-8 PM
Gene Carlone, Durham County Extension master gardener

Understanding Durham’s soil and climate will help you succeed in your garden whether you are a Durham native or a transplant, an experienced gardener or just beginning. Join Gene as he explains the strategies and techniques that are time-tested in Durham and help you take advantage of our year-round growing season.

SIMPLE DRIP IRRIGATION SYSTEMS FOR CONTAINERS & RAISED BED GARDENS
Thursday, June 11, 6:30-8 PM
Leanna Murphy Dono, Durham County Extension master gardener

Tired of hand-watering your containers and beds all summer long? Join Leanna for a hands-on presentation and learn to assemble a simple automated and water-efficient drip irrigation system for your home garden. You will walk away with a shopping list (under $100), resources, and how-to instructions so you can confidently put together a watering system that will minimize your water use and last for years.

Plant Information Booth

Having trouble with a plant, pest, or pathogen? The Master Gardener Volunteers will be in the Gardens each Wednesday morning in September and October to answer all your questions about plants, gardening, insect pests or disease.

Please see a complete schedule and more information at durham.ces.ncsu.edu.
JAPANESE
TEA GATHERINGS

TRADITIONAL JAPANESE TEA GATHERINGS
Chizuko Sueyoshi with members of the Japanese Tea Practitioners of Durham

Join us for a moment of respite in the Duke Gardens teahouse, where, as a guest to Tea, you will experience the warmth of a traditional Japanese tea gathering. Enjoy the aesthetics, poetry and serenity of this rich tradition over an enticing bowl of whisked green tea and a Japanese confection. Guests will meet at the Doris Duke Center to be escorted to the teahouse for these intimate gatherings. Daytime teas are open for children age 6 and older with an accompanying adult, at the family rate.
Participant limit: 10

SATURDAY, FEB. 28: FIRST VOICE OF SPRING TEA, 10:45 AM AND 1 PM SEATINGS
SATURDAY, MARCH 28: CHERRY BLOSSOM TEA, 1 PM SEATING
SATURDAY, APRIL 18: 10:45 AM AND 1 PM SEATINGS
SATURDAY, MAY 16: 10:45 AM AND 1 PM SEATINGS
LOCATION: MEET AT THE DORIS DUKE CENTER
FEE: $40; GARDENS MEMBERS $30; FAMILY RATE $40 PER ADULT/CHILD
ADDITIONAL CHILDREN $5 EACH
Pre-registration required (parking pass included)
HOME HORTICULTURE
Certificate Program

LOOK FOR THIS 🌿 TO IDENTIFY HORTICULTURE CERTIFICATE CLASSES

Each garden is a unique combination of site, soil, climate and the gardener who creates it. The Home Horticulture Certificate gives you the knowledge and skill to select plants successfully, and to develop, grow and maintain your home landscape.

The curriculum assists you in mastering the gardening techniques best suited for North Carolina gardens through lectures, demonstrations, field experiences and projects. The classes focused on native plants and systems will assist you in sustainable gardening. Enjoy learning from local experts and sharing your experiences with other gardeners.

You do not have to be enrolled in a certificate program to take a class. Everyone is welcome in certificate courses.

Participants already pursuing the certificate should continue to complete the requirements in place when they began. For people just beginning the certificate program, please see the requirements listed below.

FULL LISTING OF REQUIRED COURSES:

*For current programs scheduled, please see the class listings. Some required courses are offered seasonally.*

- Landscape Plants for North Carolina Gardens: four seasonal courses
  - spring, summer, fall and winter
- Basic Botany and Plant Growth
- Gardening 101
- Caring for Your Landscape

ELECTIVE COURSES:

*These courses change seasonally, and 40 class hours of electives are the minimum required to complete your certificate. Electives are created in response to student requests, allowing students to pursue their specific interests.*

ELECTIVE TOPICS MAY INCLUDE:

- Landscape Design
- Sustainable Gardening
- Container Gardening
- Hardscape Installation
- Fruits and Vegetables
- Landscapes for Life
- Zoom In series

For more information or to enroll in a class or certificate program, please call the registrar’s office at 919-668-1707 or email gardenseducation@duke.edu.
LOOK FOR THIS 📷 TO IDENTIFY NATURE PHOTOGRAPHY CERTIFICATE CLASSES

Nature photographers possess a unique blend of technical knowledge and artistic vision. Their skills illustrate nature and build appreciation and understanding of the natural world for us all. To share your love of nature — with an ability to capture it in an image — is exhilarating.

This certificate program helps refine and expand your knowledge of equipment, processes, composition and methods while increasing your skill and awareness of the beauty of our natural world.

Photographers of all experience levels, from beginner to advanced, using any type of photo equipment (film or digital), are encouraged to enroll in this program.

You do not have to be enrolled in a certificate program to take a class. Everyone is welcome in certificate courses.

Participants already pursuing the certificate should continue to complete the requirements in place when they began. For people just beginning the certificate program, please see the requirements listed below.

FULL LISTING OF REQUIRED COURSES:
For current programs scheduled, please see the class listings.
• Introduction to Nature Photography / Introduction to Digital Photography
• Learning to See in Nature
• Improving Photo Quality
• Photographing Plants
• Three of the required courses from the Home Horticulture Certificate program

ELECTIVE COURSES:
These courses change seasonally, and 30 class hours of electives are the minimum required to complete your certificate. Electives are created in response to student requests, allowing students to pursue their specific interests.

ELECTIVE TOPICS MAY INCLUDE:
• Close-up photography
• Photoshop for nature photographers
• Night photography
• Using light effectively
• Composition skills

For more information or to enroll in a class or certificate program, please call the registrar’s office at 919-668-1707 or email gardenseducation@duke.edu.
IMPROVING PHOTO QUALITY

Maggie Wendel, certified professional photographer, Maggie Wendel Photography

Stretch your skills and learn techniques that improve the technical and artistic merit of your photographs. We will focus on understanding and manipulating the variables that go into making a quality photograph. See examples of Maggie’s work at www.maggiewendel.com.

4 WEDNESDAYS, APRIL 8-29, 6:30-8:30 PM
2 SATURDAYS, APRIL 18 & 25, 8-10 AM
LOCATION: DORIS DUKE CENTER AND GARDENS
PARTICIPANT LIMIT: 15
FEE: $145; GARDENS MEMBERS $120
Qualifies for Nature Photography Certificate required course

MACRO PHOTOGRAPHY

Les Saucier, fine art photographer and educator

New!
Expand your horizons by narrowing your view. The amazing world of detail may be found by developing your macro photography skills. Learn the best techniques and practices, ones that will get the most from your camera and lenses and create astonishing close-up images. Les will introduce you to the tools of macro photography and the three major macro problems. Then he will give you multiple solutions. Lunch will be provided each day of the workshop. We will try to organize a group dinner on Saturday evening (not included in fee). See examples of Les’ work at www.lesaucier.com.

SATURDAY AND SUNDAY, MAY 16 & 17, 9 AM-3 PM
LOCATION: DORIS DUKE CENTER
PARTICIPANT LIMIT: 15
FEE: $185; GARDENS MEMBERS $150. Enrollment includes all instruction, handouts & lunch each day.
Qualifies for Nature Photography Certificate elective course (10 hours)

GOOD VS. GREAT

Chris Ogden, photographer, Chris Ogden Photography

New!
Good photographers know their camera and are skillful at the technical aspects of a photograph. Great photographers use those technical facets to capture a moment, to start a conversation between photograph and viewer, to tell a story. Chris will work with you to explore these ideas, adding to your compositional skills and your artistic aptitude to move your photographs from good to great.

4 THURSDAYS, MAY 28 & JUNE 4, 11, 18, 7-9 PM
4 SATURDAYS, MAY 30 & JUNE 6, 13, 20, 8-11 AM
LOCATION: DORIS DUKE CENTER
PARTICIPANT LIMIT: 8
FEE: $325; GARDENS MEMBERS $250
Qualifies for Nature Photography Certificate elective course (20 hours)
LEARNING TO SEE IN NATURE

Melissa Southern, nature photographer

Learn to more effectively observe nature, improve your ability to see the possibilities in a setting, and become a “photo-naturalist.” Develop the ability to translate that vision into photographs that communicate to others and create a unique, individual and distinctive graphic voice.

2 TUESDAYS, JUNE 2 & 9, 7-9 PM
2 SATURDAYS, JUNE 6 & 13, 8 AM-NOON
LOCATION: DORIS DUKE CENTER
PARTICIPANT LIMIT: 15
FEE: $150; GARDENS MEMBERS $120
Qualifies for Nature Photography Certificate required course

ADOBE PHOTOSHOP LIGHTROOM WORKSHOP

Dave Kelly, photographer, DEK Photography, author and Adobe Certified Instructor

Lightroom is often recognized as the most versatile post-production processing software available today. Lightroom helps you develop remarkable images, curate your photo collections so images are easier to find, and create slide shows. This workshop will take you through all seven modules of Lightroom 5. We will touch upon many little known tips and tricks that make Lightroom quicker and easier to work with, and each participant will receive a copy of Dave’s book “Lightroom 5 Made Easy.”

Dave is an award-winning wildlife photographer, an Adobe Certified Instructor and an Adobe pre-beta tester. He holds a certified Technical Trainer credential from CompTIA Organization. He also teaches photography at several universities and organizations and participates in workshops around the country.

See examples of Dave’s work at www.DEKphotography.com.

FRIDAY, JUNE 19, 9 AM-3 PM
LOCATION: DORIS DUKE CENTER
PARTICIPANT LIMIT: 15
FEE: $120; GARDENS MEMBERS $100. Enrollment includes a copy of Dave’s book, handouts & lunch.
Qualifies for Nature Photography Certificate elective course (5 hours)
HEALTH & WELLNESS

Therapy Ball Massage for Gardeners

Orla Swift, certified Yoga Tune Up instructor

Did last weekend’s weeding session leave you with an achy back, creaky knees and tense shoulders? Join us for an hour of deep tissue massage. Learn techniques easily practiced at home using your own body weight against a pair of portable therapy balls.

No experience or athleticism necessary. Please bring a yoga mat and block; we will have a few extras for students to borrow. Therapy balls will be provided for use in class. All participants must complete a waiver form that will apply to all sessions in which they enroll.

Orla Swift is a certified yoga, pilates, barre and therapy ball massage instructor. In addition, she is the director of marketing and communications for Duke Gardens.

“Sometimes afterward, I feel like my body is years younger.”
—Participant Frances Kerr, fall ’14 massage class

All sessions held from 6-7 pm

SESSION A: MARCH 11
SESSION B: MARCH 18
SESSION C: MARCH 25
LOCATION: DORIS DUKE CENTER
FEE PER SESSION $15; GARDENS MEMBERS $12. SIGN UP FOR 3 SESSIONS AT A RATE OF $39;
GARDENS MEMBERS $30.
PARTICIPANT LIMIT: 8
Please register in advance.
Gardens
PARTNERS

Sarah P. Duke Gardens is pleased to welcome the following horticulture partners. These groups are independent of the Gardens but welcome our members and visitors to join them in learning more about horticulture. No registration required.

N.C. COOPERATIVE EXTENSION SERVICE: DURHAM COUNTY CENTER
Please see lecture schedule on page 32.
The Durham County Extension Master Gardener Volunteers will be in the Gardens several days of the week to answer all your questions about plants, gardening, insect pests or disease. Please go to durham.ces.ncsu.edu for a complete schedule.

DURHAM PHOTOGRAPHY CLUB AT DUKE GARDENS
Meets on the 2nd Monday of each month, 6:30-8 pm. Please find more information on the club’s Facebook page by entering its name into Facebook’s search box.

TRIANGLE ORCHID SOCIETY
The Triangle Orchid Society conducts its monthly meeting at the Doris Duke Center on the 2nd Monday of each month. Please go to triangleorchidsociety.org for more information.

DURHAM COUNTY BEEKEEPERS
Meets the 3rd Monday of each month, 6:30-9 pm, at the Doris Duke Center.

SARAH P. DUKE IKEBANA INTERNATIONAL CHAPTER #264
For information, contact Carol Krauser, chapter president, at 919-960-2946.

DURHAM GARDEN FORUM
Please see meeting schedule and topics on page 31.

YOUtopia
Sarah P. Duke Gardens is pleased to announce our participation in YOUtopia, a program that assists America’s public gardens in reducing their climate impact. Created by the American Public Gardens Association and ecoAmerica, this program communicates the goals and successes of partnering public gardens. Watch for additional information at Duke Gardens about the increased sustainability of our gardens.

LET’S MOVE!
“Let’s Move!” is a comprehensive initiative launched by First Lady Michelle Obama. It is dedicated to solving the problem of obesity within a generation, so that children born today will grow up healthier and able to pursue their dreams. Working with parents, caregivers, schools, public officials and communities, Let’s Move! is about putting children on the path to a healthy future during their earliest months and years. Let’s Move! Museums & Gardens will focus on interactive exhibits, after-school and summer programming and food service that help young people to make healthy food choices and be physically active.
GARDENS MEMBERSHIP

MEMBERSHIP INFORMATION

Support Sarah P. Duke Gardens through membership in Friends of Duke Gardens

Sarah P. Duke Gardens is enjoyed free of charge by more than 300,000 people annually. Over half of our yearly operating budget comes from people like you, who value all that this world-class botanic garden has to offer. Please consider the opportunity to support Duke Gardens by joining today.

Your membership gifts enable Duke Gardens to provide essential features, including:

- Free admission
- Education programming
- World-class horticultural design
- Free events for all to enjoy
- Fundraising activities

MEMBERSHIP LEVELS

Duke students and Duke Gardens volunteers ........................................................... $25
Individual .............................................................................................................. $50
Dual (spouses/partners) .................................................................$75
Family (includes children under age 18) ........................................................... $100

ALL MEMBERSHIP LEVELS INCLUDE

- Education program discounts at Duke Gardens & other participating gardens
- 10% discount on Terrace Shop purchases
- Invitations to special Friends events
- Reciprocal admission benefits to more than 200 gardens in the U.S.
- Flora magazine
- Annual report
ADDITIONAL GIFT RECOGNITION SOCIETIES

Terraces Society ............................................................................................................................................... $250

**INCLUDES MEMBERSHIP BENEFITS PLUS:**

- Duke Gardens calendar
- 20% discount on Gothic Bookshop purchases (valid membership card required)
- 2 complimentary gift memberships (please provide names & addresses of recipients)

Iris Society...................................................................................................................................................... $500

**INCLUDES TERRACES SOCIETY BENEFITS PLUS:**

- Duke Gardens notecards
- 2 complimentary registrations for a Gardens education program

Pergola Society .............................................................................................................................................. $1,000

**INCLUDES IRIS SOCIETY BENEFITS PLUS:**

- Complimentary Gardens parking

Please contact us to learn about additional membership societies and giving opportunities. You may leave a legacy at Duke Gardens in a variety of ways, including naming options throughout the Gardens.

All Friends memberships are part of the Duke Annual Fund and are used entirely for the benefit and purposes of Duke Gardens. Duke alumni also receive reunion class gift credit.

To make a gift, please call 919-684-5579 or go to gardens.duke.edu/support.
RIDE A BUS TO
Sarah P. Duke Gardens

It’s worth checking for a bus route near you that will drop you close to Duke Gardens. Go to gardens.duke.edu/locations-and-map for links to bus routes and additional information.

DUKE UNIVERSITY BUSES (free to all visitors on campus)

More than 30 fare-free buses, including:
- C2 campus bus, with a year-round schedule on weekdays and weekends. Stops at the Anderson Street Gardens entrance.
- C1 and CSW campus buses, with a fall & spring semester schedule. Stops at the intersection of Campus Drive and Anderson Street.
- H5 Ninth Street and Erwin Square bus, with stops at both the Anderson Street Gardens entrance and the Flowers Drive Gardens entrance.


INFORMATION FOR LOCAL AND REGIONAL BUSES

- Durham Area Transit Authority (DATA) 919-485-RIDE or data.gotriangle.org. DATA Buses 6 and 6B stop at the intersection of Anderson Street and Campus Drive.
- Bull City Connector (BCC) is fare-free and connects downtown Durham with Duke University. It stops at Anderson Street and Erwin Drive. 919-485-RIDE or bullcityconnector.org.
- Triangle Transit from Raleigh and Durham. Call 919-485-7433 or see triangletransit.org/maps-and-schedules.
REGISTRATION FORM

Registrant Name

Address

City       State       Zip

Daytime Phone       Cell phone

Email

REGISTRATION POLICY: Please pre-register for all programs and complete any fee payment at that time. Registrations are accepted on a first come, first served basis, no registration is complete without payment, and program space will be allocated on a first paid/first reserved basis. To register please call 919-668-1707 or email gardenseducation@duke.edu

CANCELLATION POLICY: You may cancel your enrollment and receive a refund of your fee up to a week before the scheduled start date of a class. Any classes canceled by Duke Gardens will result in a complete refund. Please note that camps require further advance notice for cancellations.

WEATHER POLICY: Occasionally weather disrupts a schedule; last-minute changes will be noted on the voicemail message at 919-668-1707.

COURSE NAME    | DATES | FEE

FRIENDS OF DUKE GARDENS ENROLLMENT

To qualify for membership discounts and other benefits, please send a separate check payable to Duke Gardens.

Check one of the boxes below:

☑ Duke student / Duke Gardens volunteer $25
☑ Individual $50
☑ Dual (spouses/partners) $75
☑ Family (includes children under age 18) $100
☑ Terraces Society $250
☑ Iris Society $500

☑ Pergola Society $1,000
☑ Directors Society $2,500
☑ Mary Duke Biddle Society $5,000
☑ Mary D. B. T. Semans Society $10,000
☑ Corporate Friends $5,000

TOTAL $