

SCHOOL PROGRAMS

Registration is required for all groups planning to visit the Gardens. Thanks for working with us to register your group. Collaboration helps us prepare and provide the best experience for your students. We will accommodate your visit on a first-come, first-served basis. Once we reach capacity, those groups without pre-registration may be asked to reschedule their visit.

Sarah P. Duke Gardens School Programs

Extend your classroom studies with a visit to Duke Gardens. Our school programs introduce students to the wonders and complexities of our natural world. Each program is age-appropriate and supports the N.C. Standard Course of Study and Extended Content Standards. The programs are led by skilled docents.

GUIDED GARDENS SCHOOL PROGRAMS:

Available Tuesday through Friday. Correlating standards are listed below. Each program is planned for 1 to 1 ½ hours, and enriched and extended if your schedule allows. The fee is \$4 per student, with the exception of Garden Walk (\$2 per student); \$40 minimum.

SELF-GUIDED GROUPS IN THE GARDENS:

Advance registration is required so we can coordinate your visit with other schedules. Self-guided groups are welcome in all areas of the Gardens except the Blomquist Garden of Native Plants. Tours of the Blomquist Garden, which contains rare and endangered plants, are available only when led by trained Duke Gardens docents.

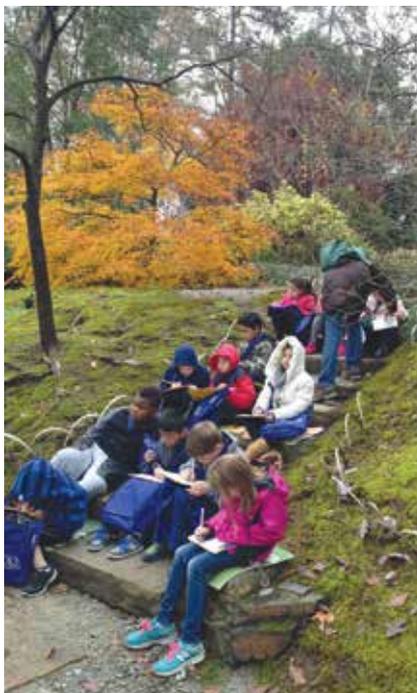
HOW TO REGISTER: Email gardenseducation@duke.edu, submit an online program request form through the Gardens website, or call 919-668-1707.

CHAPERONES: Adult chaperones are required for all youth groups. We recommend 3 chaperones per 15 students.

WEATHER: We take groups out in the rain, unless there is threatening weather that includes lightning; in that case we will reschedule.

CANCELLATION POLICY: You may cancel your enrollment and receive a refund of your fee up to a week before the date of your program. Any program canceled by Duke Gardens will result in a complete refund.

Questions? Call 919-668-1707 or email gardenseducation@duke.edu.



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ALL GRADE LEVELS

- **DISCOVERY GARDEN:** Introduce students to agriculture and sustainable gardening. What parts of plants do we eat? What's the difference between a fruit and a vegetable? See beehives, chickens, an orchard, vegetables and fruits, a historic tobacco barn and more.
- **MATH IN THE GARDENS:** Measure, multiply and map your way through the garden. Learn about the different kinds of math our garden staff use to create and maintain our beautiful garden, and solve your own garden math problems. Program content is adjusted to match appropriate grade-level standards.
- **A GARDEN WALK:** Observe seasonal highlights on a guided walk that introduces students to the biodiversity of Duke Gardens. Fee is \$2 per student.
- **HAIKU TRAIL INTO THE GARDENS:** Recommended for 3rd grade and up (*meets standards 3.C.1, 6.85*). Develop literacy skills and practice creative expression on a walk through the Gardens. Learn about haiku structure and the poet Basho, then collect words that describe your sensory observations to assemble your own haiku.

PRE-K & K

- **FARM AND FOLK TALES:** Learn about fruits, vegetables and animals in the Charlotte Brody Discovery Garden through stories and exploration.
- **SENSE-ATIONAL STROLL:** Engage your senses as you touch, smell, hear and see your way through the gardens on this guided walk.
- **BIRDS AND BUTTERFLIES:** Look up to discover the amazing world of winged wildlife in the gardens. Through song and movement, learn about the lives of birds and butterflies.
- **DIRT AND WORMS:** Take a close look at life underground and learn how wiggling worms help the Gardens grow. What is a worm's life cycle? How do they move? What do they eat? Learn this and more.
- **KNOCK, KNOCK. WHO'S THERE?** Tiptoe through the gardens to find signs of animals at home. Learn who lives where: in the ground, in a tree, in the pond and more.

FIRST GRADE

- **HABITAT HUNTERS:** (*meets standard 1.L.1 / 1.L.2*) What do plants and animals need to survive? Go on a search for animal homes in the gardens and learn how diverse living things get what they need.

SECOND GRADE

- **A BUG'S LIFE:** (*meets standard 2.L.1.2*) What are insects? Where do they live? Learn about garden insects, including their life cycles, by studying them in their natural habitat.
- **DOUBLE EXPOSURE: Connecting Science and Art at Duke Gardens and The Nasher Museum:** (*meets standards 2.E.1, 2.L.1.2*) An innovative program for 2nd grade school groups with a full day experience that connects science and art. Students visit both Duke Gardens and the Nasher Museum of Art. To register, go to nasher.duke.edu/k-12/#k-12-tours or contact the Nasher's education office at 919-684-1169.
Free for DPS students. Otherwise standard fees apply.

SCHOOL PROGRAMS

THIRD GRADE

- **SOIL CITY:** (*meets standard 3.L.2.4*) Explore the world of ants, earthworms, pillbugs and other soil dwellers. Students examine basic soil properties throughout the Gardens and discover how soil supports the growth and survival of living things.
- **PLANT POWER:** (*meets standard 3.L.2*) Take a trip through the life cycle of a plant. Learn about the parts of a plant and how they work to help a plant grow and thrive in our “museum of plants.”

FOURTH GRADE

- **AMAZING ADAPTATIONS:** (*meets standard 4.L.1.2*) What do desert succulents, tropical water lilies and our local squirrels have in common? Take a walk and see how plants and animals survive using amazing adaptations to their environments.
- **NATIVE TALES:** (*meets standard 4.H.1.1*) Plants have stories to tell. Discover plants native to the Southeastern U.S. and learn about ways they have been used throughout history for food, medicine and more.

FIFTH GRADE

- **BEYOND THE POND:** (*meets standard 5.L.2.1*) Explore a pond ecosystem and evaluate the water quality by surveying some of the pond’s smaller inhabitants. Limited to 40 students.
- **GARDEN FOOD WEB:** (*meets standard 5.L.2*) Producers, consumers and decomposers in the Gardens are connected in a web of life. Observe ecosystems to learn the importance of interconnections in living communities.
- **TREE DETECTIVES:** (*meets 5th grade science standards*) Learn the fundamentals of plant identification by examining detailed characteristics such as leaf arrangement and structure. Work in a scientific team to meet a tree, observe details and record your data.

MIDDLE SCHOOL AND HIGH SCHOOL

- **THE FOREST AND THE FARM:** (*meets standards 6.H.2.3, AIS.G.2.3*) Learn about the diverse ways humans have used plants and animals for food throughout history. Visit the Blomquist Garden of Native Plants to discover the complex communities of the southeastern U.S. and the Charlotte Brody Discovery Garden to learn about domesticated fruits and vegetables.
- **HAIKU TRAIL INTO THE GARDENS:** (*meets standard 6.85*) Develop literacy skills and practice creative expression on a walk through the gardens. Learn about haiku structure and the poet Basho, then collect words that describe your sensory observations to assemble your own haiku.
- **BEYOND THE POND:** (*meets standards 6.L.2.1, 8.E.1.3*) Examine a pond ecosystem and evaluate the water quality by examining benthic macroinvertebrates. Limited to 40 students.
- **WATERSHED WALK:** (*meets 8.E.1.1, 8.E.1.3, 8.E.1.4*) Follow the flow of water through Duke Gardens to explore the hydrologic cycle. Observe water management infrastructure, perform hands-on experiments to determine properties of this urban watershed, and map your data.
- Programs on a variety of topics can be customized to match your needs; inquire at gardenseducation@duke.edu.

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TEACHER TRAININGS

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

Customized 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 bringing 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.