

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.
- **GO WITH THE FLOW:** (*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.

Thank you for working with us to register your group; collaboration helps us prepare and provide the best experience for your students.



TEACHER TRAININGS

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

TWO-DAY WORKSHOP ON THURSDAY, JUNE 28 AND FRIDAY, JUNE 29.

9 AM-4 PM EACH DAY.

FEE: \$50 FOR BOTH DAYS, RECEIVE 1.2 CEUS.

Register through the Nasher Museum of Art, 919-684-1169.

- **LEARNING WITH NATURE: Teacher Training for Early Childhood 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.