



BARTRAM'S GARDEN

# SPRING 2018 LESSONS FOR SCHOOLS AND GROUPS

Explore Science, History, and Art Along the Schuylkill River!

- 45-acre landscape provides diverse habitats and seasonal opportunities for learning.
- Hands-on lessons connect to State Standards.
- Programs for pre-K to grade 12. Lessons can be adapted to work with your curriculum.
- Just 15 minutes from Center City and free parking.
- Indoor & outdoor picnic locations available. Museum Shop with kid friendly items available.
- Bartram's Garden can come to your classroom. Call or email for more information.
- The restoration of the 18th century National Historic Landmark Bartram house is complete! A visit to the house is a part of most of our lessons.



## SAMPLE LESSON TOPICS

- Growing Our Own Food: Get your hands dirty and connect to farm fresh food.
- Rich Habitats: A Study of Invertebrates: Discover the invertebrates who call Bartram's Garden home.
- Schuylkill Study: Dive into the history and science of the Schuylkill River watershed.

See more lesson topics on the reverse side of this flyer!

## RESERVATION DETAILS

Reservations: Contact Leslie Gale 215-729-5281, ext. 110 or email [lgale@bartramsgarden.org](mailto:lgale@bartramsgarden.org).

Fees: \$6 per student; add \$4 for second lesson the same day. One free adult chaperone per 10 students; additional chaperones \$6. A \$90 deposit is required to hold the reservation.

Program Schedule: 10 am to noon, Monday–Friday. Other arrangements may be made when scheduling.

Group size: Maximum of 60 students. For groups smaller than 15 students the rate is \$90.

Weather: Programs are conducted rain or shine. Indoor activities provided during inclement weather, except when School District closes for weather.

Cancellations: Program cancellations must be made two weeks prior to reserved date or deposit is forfeited.

**Connect. Learn. Be Inspired.**

Bartram's Garden is a 45-acre National Historic Landmark on the banks of the Schuylkill River.  
5400 Lindbergh Blvd., Philadelphia, PA 19143 • Take the #36 trolley • (215) 729-5281  
[BARTRAMSGARDEN.ORG](http://BARTRAMSGARDEN.ORG)

# FALL 2018 LESSON TOPICS

## PLANTS AND HORTICULTURE

### Branch Out!

Be a botanist for a day! Learn how to identify the trees in the garden by examining their leaves, bark, buds branches, and explore some of the fascinating math of plants. Make a beautiful leaf print using leaves you collect from the garden.

**Grades 3–12**

### Grow It!

Examine the life cycle of a plant, dissect a seed, and take home a potted seed to grow.

**Grades PreK–3**

### Growing our own Food!

“Where does our food come from?” Get your hands dirty, taste new flavors, and gain skills that will connect you to your food. Please note this is an introduction to horticulture. For younger students this can pair with Grow It!, for older grades it can pair with the soil lesson.

**Grades 3–9**

### The Real Scoop on Soil

Enjoy a “Day of Decay”! Learn about the living creatures that call soil home and help make soil so nutritious for plants.

**Grades 4–9**

## ANIMALS AND HABITAT

### Animal Camouflage

Find animals hidden in plain sight at Bartram’s Garden and uncover the reasons why their lives can depend on these clever disguises. Design camouflage that will keep a creature of your own creation hidden from your classmates!

**Grades K–5**

### Birds & Prey

Learn how birds care for their nests and eggs, discover how birds develop inside the egg, and build a nest to take home.

**Grades PreK–5**

### Rich Habitats: A Study of Invertebrates

Did you know that 97% of all the animals on Earth are invertebrates? Discover the invertebrates (earthworms, spiders, insects, etc.) that live at Bartram’s Garden and create a field guide to record your observations of these fascinating animals.

**Grades 4–9**

### Schuylkill Study

Discover the history & science of the Schuylkill river Watershed and test the source of Philadelphia’s drinking water.

**Grades 4–12**

## ART, SCIENCE, AND HISTORY

### (New) Mysteries of Navigation

Can the stars help you find where you are and where you want to go? What are compasses and what do they have to do with magnets? Explore how people found their way before GPS?

**Grades 4–9**

### The Art of Nature

Create a beautiful botanical illustration of your own with water color pencils & learn about artist, writer, and traveler, William Bartram.

**Grades 4–12**

### Earthworks

Who needs traditional art supplies? When we create Earthworks, the natural landscape is our canvas! We will collect objects such as seedpods and leaves and use them to transform the garden into a gallery of unique sculptures.

**Grades 4–12**

### Quaker Philadelphia

Who were the Quakers who helped shape our garden and our city? How does their culture impact us today? We’ll tackle place-based history and the art of urban planning, working together as a class to construct an full-fledged city of our own.

**Grades 3–12**

### Unnatural Histories

Myth, fraud and honest mistakes. We’ll see how sometimes myth-making takes a front seat to science and create your own “unnatural history” exhibits.

**Grades 3–12**

### (New) Telling the Bartram Story

After visiting the historic Bartram House and Garden, we’ll put on our curator hat and design a museum exhibit that might tell part of our story.

**Grades 6–12**

In the Fall, enjoy our seasonal lessons about apple cider, birds of prey, and seed collecting.  
Many of our lessons are offered year round. Please email or call for more information.