



BARTRAM'S GARDEN

## FALL 2019 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

- Seed Collectors: Explore the creative ways plants protect and disperse their seeds.
- 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 2019 LESSON TOPICS

## PLANTS AND HORTICULTURE

### Cider Pressing

**Grades PreK–2**

Why did John Bartram carve mysterious deep circles into a large riverbank boulder? Hint: it involves apples! Use a hand-cranked press to make and taste your own cider, then visit the orchard and farm that have taken root in Bartram’s Garden.

### Seed Collectors

**Grades PreK–2**

Explore the Garden in search of the fascinating packages trees create for their seeds: acorns, nuts, pods, and more. Learn how and why seeds travel, take a closer look at what you’ve found, and build a seed collection for your classroom.

### Branch Out!

**Grades 3–12**

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.

### The Real Scoop on Soil

**Grades 4–9**

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

## ANIMALS AND HABITAT

### Birds of Prey

**Grades PreK–5**

Learn about birds of prey and their important role in the food chain, examine owl pellets, and go on a raptor walk.

### Animal Camouflage

**Grades K–5**

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!

### Rich Habitats: A Study of Invertebrates

**Grades 4–9**

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.

### Schuylkill Study

**Grades 4–12**

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

## ART, SCIENCE, AND HISTORY

### Quaker Philadelphia

**Grades 3–12**

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.

### Unnatural Histories

**Grades 3–12**

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.

### The Art of Nature

**Grades 4–12**

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

### Earthworks

**Grades 4–12**

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.

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.

**CONTACT Leslie Gale at 215-729-5281x110 or [lgale@bartramsgarden.org](mailto:lgale@bartramsgarden.org)**