



PERKIOMEN WATERSHED CONSERVANCY FLOATING CLASSROOM

**Recreation and environmental education experiences at Green Lane Park.
Available August-October and March-June. Recommended for students in grades 5-12.
*Please inquire about grant funding to assist with transportation expenses to Green Lane***

Recreation Classes (75 minutes)

Introduction to Canoeing/Kayaking (Water)

Teamwork, communication, and FUN are essential in our Introduction to Canoeing/Kayaking class. Students learn basic paddling and water safety skills before heading out on the lake to practice. Trained staff guide students through paddling games and a short excursion to conclude our adventure session.



Team-building (Land)

Students showcase the 4 C's of 21st century skills (Collaboration, Communication, Critical Thinking, and Creativity) as they work together to solve active, team-based challenges. Relationships, self-awareness, self-management and other social/emotional skills are explored as we try to rescue an endangered bird egg, build a bridge across a river of lava, and more!

Orienteering (Land or Water)

Orienteering is a critical skill for navigation and wilderness survival. Students learn how to navigate using a compass and map, find a bearing, and orient themselves while tracking down clues on our land or water orienteering courses.





Environmental Classes: (75 minutes)

Ornithology (Floating Classroom)

Birds are everywhere, but have you ever stopped to wonder about *why* they do what they do? This focused exploration of bird adaptations and behavior encourages careful observations of birds, both from the Conservancy's Natural History Collection and those around us at Green Lane Park. The Floating Classroom provides the perfect base for investigating feathers and other adaptations with microscopes, searching the skies using binoculars, and researching our findings utilizing iPads.



Water Quality (Floating Classroom)

A defining feature of the Perkiomen Creek Watershed, Green Lane Reservoir has a long history of water quality successes and failures. Students examine the basics of watershed dynamics and lake ecology before conducting water quality analysis from the Floating Classroom. All data collected can be used as evidence to defend students' final claims about the current state of the water at Green Lane Park.

STEM Challenge (Floating Classroom)

The Floating Classroom or "Dragonfly One" is a true green machine: a solar system charges the batteries that power the electric motor on the 24' pontoon. Using Dragonfly One as an example, small teams of students are challenged to construct their own sustainable solar solution, identifying success and failure points as they refine their designs.



Riparian Ecology (Land or Water)

When we look closely, we notice that many waterways have trees and other plants growing alongside the water. But **WHY**? Students discover the many ways streamside and lakeside plants impact the water itself, and even construct a model to simulate the effects of stormwater with and without a riparian buffer.



Sample Schedule for a full-day experience with 40 students (13-14 students/group)

9:15 am - 2:15 pm

9:15 Arrive at the Walt Road Day Use Area at Green Lane Park. Divide into three groups and stash belongings

	9:30-10:45	10:50-12:05	12:05-12:35	12:40-1:55
Group 1	Intro to Canoeing/ Kayaking (Water)	Water Quality (FC)	Lunch	Riparian Ecology (Land)
Group 2	Water Quality (FC)	Riparian Ecology (Land)		Intro to Canoeing/ Kayaking (Water)
Group 3	Riparian Ecology (Land)	Intro to Canoeing/ Kayaking (Water)		Water Quality (FC)

2:00 Final Bathroom Break. Load bus.

2:15 See you next time!

Sample Schedule for an after-school experience with 20-30 students (10-15 students/group)

3:15 pm - 5:45 pm

3:15 Arrive at the Walt Road Day Use area at Green Lane Park. Divide into two groups and stash belongings.

	3:30-4:30	4:35-5:35
Group 1	Intro to Canoeing/ Kayaking (Water)	Water Quality (FC)
Group 2	Water Quality (FC)	Intro to Canoeing/ Kayaking (Water)

5:40 Final Bathroom Break. Load bus.

5:45 See you next time!

WANT TO LEARN MORE?
Contact our Education Department at
education@perkiomenwatershed.org or call 610-287-9383.