



To register for a school program, contact Lauren Schmidt, Camps and School Program Coordinator at (216) 321-5935, ext 226 or via email at: schmidt@shakerlakes.org.

Pricing Information:

Please note class times may be modified to fit your budget.

Length of Experience	Cost per class
1 hour	\$125
2 hour	\$225
4 hour	\$435

School Program Offerings:

Grades K through 5

Seasonal Explorations

Each season offers something special when exploring the forest and wetland habitats around the Nature Center. Whether it is the fall leaves, winter tracks and nests or spring flowers and buds. There is something to find in every season. Students will explore the trails and When possible, animal life will be observed, and we will discuss whether the animal should be hibernating, migrating or staying awake and how they change with the seasons.

1-hour - available at the Nature Center year round.

Grade K

Nature Alive

Students will learn the 5 basics that all living things have in common and then become scientists by taking turns to classify things as living or non-living. They will explore nature while on a living and non-living scavenger hunt. Students will also collect items for further investigation with hand lenses.

1-2 hour - available at the Nature Center year round.

Grades K through 1

Puzzles of Life

Students will visit two different habitats—the wetlands and the forest. They will observe and describe the differences between forest and marsh habitats and the plants and animals that live there. They will then put together a puzzle picture of the forest and marsh habitats.

1 hour - available at the Nature Center year round.

Grades K through 2

Homes and Habitats

Students will visit two different habitats, the wetlands and the forest, and will compare and contrast. They will discuss the 4 basic needs of all living things and how these needs are met in each habitat and how a habitat is different from a home.

1 hour - available as a field trip to the Nature Center year round.

Grades 1 & 2

Habitat Detectives

Students will assume new identities, becoming either an animal or a plant. They will determine which habitat they need by comparing and contrasting amounts of sunlight, water and other needs listed on their job descriptions and needs sheets. They will be able to describe the differences among marsh and forest habitats. The longer experience also includes a third habitat the field for older students.

1-2 hours - available at the Nature Center year round.

Grades 1 through 5

Wetlands

Students will visit a wetland and see firsthand how it functions. They will discuss the functions of a wetland using metaphors. Older students will participate in the longer program and take soil samples in the wetlands and woods and compare the results.

1-2 hours - available at the Nature Center in the winter, fall and spring.

Grades 3-5

Birds and Butterflies

Birds and Butterflies offers a unique field experience for students focusing on the spring bird migration and how it correlates to the presence of butterflies and caterpillars in our area. Students will learn how bird adaptations have developed to aid them in their migration and the perils they face along the way.

4 hours - available at the Nature Center in the spring or fall.

Grades 3 through 6

Rock Soil Science

Students will hike around Lower Lake and learn to discern differences in bedrock types using their senses to detect differences in texture, appearance and smell. They will observe the erosion of rock by chemical and physical means, especially via the work of running water as an important agent of geologic change. They will also recognize geologic processes as ongoing, extremely slow cycles which continue to alter the landscape at an imperceptible rate. They will also learn about the Shakers and some history of the area. Students will also learn how to sample soil in several habitats and will compare and contrast the specimens they collect.

4 hours - available at the Nature Center in the spring or fall.

Grades 4 through 8

Water Quality

Students will collect samples from the Doan Brook, and will determine the health of the Doan Brook watershed by identifying the macroinvertebrates that they find living there. They will find out what SNOT is and how they can help improve our water quality. Students will also learn the correct techniques for using a stereoscope.

2-hours - available at the Nature Center in the spring or fall. Cost is \$250 per class.

Grades 4 through 8

Water Quality in your Watershed

Students will collect samples from the Doan Brook, and will determine the health of the Doan Brook watershed by identifying the macroinvertebrates that they find living there. Students will also learn the correct techniques for using a stereoscope. Students will

embark on a watershed hike to see where pollution may be entering our water and discuss strategies to help prevent pollution in our habitats. While on the hike we will observe the differences and similarities of upper watershed and lower watershed by identifying trees that prefer on location over the other.

4-hours - available at the Nature Center in the spring and fall.

Grades 4 through 8

Lakes and the Riparian Zone

Students will hike a part of the Doan Brook watershed and learn the basics principles of a watershed and what makes a healthy lake. Students will determine the health of the Lower Lake by taking samples, performing chemical tests, and analyzing the results. They will also take samples of the Doan Brook to make comparisons to the Lake results. This experience includes a one hour pre-visit to your classroom.

4 hours - available at the Nature Center in the spring and fall.

Grade 5

Ecosystems

Students will learn about food chains and the abiotic and biotic factors that make up an ecosystem through studying the micro-ecosystem of a rotting log and the layers of a forest. Students will then perform a worm survey to discover how invasive species disrupt the natural balance of local ecosystem and what people can do to help.

2-hours - available at the Nature Center in the fall.