



Environmental Education

Beaver Brook Association
Experiential Outdoor Learning Center
for Preschool through adults



Spring Programs At Beaver Brook

BBA has a staff of experienced teachers who welcome you and your students to explore a variety of environmental topics. Consider Beaver Brook for an all-day environmental camp experience. We can also bring some programs to your school, club or library.

Discover Spring Changes *PreK- up* **1 hour**

A **sensory walk** with emphasis on developing awareness of the interconnections of nature. Children will observe with sight, smell, touch, and sound, the changes around them that are signaling nature's shift to spring. Animals, trees and other plant will be discussed. *NH Std: LS 1, 2; PS 1,2;; ESS 1,2; SS:GE 3*

Maple Sugaring *K –up* **1-1.5 hours**

Visit Beaver Brook's sugar bush and learn about one of New Hampshire's most famous industries and attractions. Learn the history and process of turning sap into syrup. Students will be guided through a sugaring demonstration area, and they will have the opportunity to set taps, empty sap buckets into the woodfired evaporator and sample syrup made from Beaver Brook's own trees! Available late February to early April. *NH Std: PS 1; ESS 1; LS , 2; SS HI 2; SS:GE3; SS:HI 3.*



Survivor Quest **6th-adult** **2-4 hours**

This is a teambuilding exercise that centers around map and compass reading and navigating as a group safely through the fields and forest. At each destination, the group will be asked to answer or accomplish a task specific to the ecosystem they are in. It requires working together to succeed. Try this for a fun and educational challenge!

Fine Feathered Friends **K-up** **1-2 hours**

What makes a bird a bird? Learn about principles of flight and the special adaptations that are unique to birds. We will practice some bird songs, look for nests and evidence of bird activity. Students will visit our new Bird Observation Center to observe local species. *NH Standards: Science 3a, 3b, 3c, 3d, Math 1, Language Arts 5*



Tracking Wildlife **2nd-up** **1.5 hours**

A number of interesting clues have been found at Maple Hill Farm! Who left them? What do they tell us? Using their detective skills, students will examine these clues in an effort to identify the creatures that left them behind. Learn how to key out tracks of NE wildlife then take your skills outside to hunt for their stories. **If conditions allow, BBA snowshoes can be used.** *NH Standards: PS 1.1, 1.4, 1.5; LS 1, 2, 4; SS:GE 3.1*

117 Ridge Road•Hollis, NH 03049
603-465-7787•www.beaverbrook.org

Aquatic Wonders**K-6th****1-2 hours**

Explore the pond ecosystem! Aquatic food chains, life cycles, and water quality will be highlighted. Students will visit an active pond habitat and using nets and hand lenses, identify the life within. Longer classes can assess water quality by making measurements, identifying indicator species for "clean" and "unhealthy" water systems. A watershed model is available for assessing human impact on water resources. *NH Std: Science 3A, 3B, 3D*

Beaver Tales**PreK-6th****1.5 hours**

Why do beavers have red teeth? How can they survive under the ice during winter? Who else lives in or near the beaver pond? Beavers are incredibly well adapted creatures. While observing a beaver mount, skull, and fur, students will learn about the beaver's amazing adaptations. Students will visit a beaver lodge and dam and learn how these mammals alter the environment and how this suits many species of wildlife. *LS 1,2; ESS1; PS 1,2,*

**Dinosaurs****K-up****1 hour**

In the air, on the ground and swimming in the seas, reptiles ruled millions of years ago. Students will use models to put dinosaurs into a timeline and handle an extensive fossil collection. Which were the plant-eaters and which were the meat-eaters? Examine and discuss the specialized features of various species and the theories of extinction. *NH Std: SPS 1, 2; LS 3. ESS 1.3. We can come to you!*

Forest Ecology**Grade 4 and up****2 - 4 hours**

New Hampshire forests have changed dramatically over the last 400 years. Students will learn about land use changes and forest succession from the 1600's through the present. A two hour hike will bring us to areas of forest change and wildlife activity. Students will collect data on the stages of forest succession and the species that dominate each stage. Along the way we will explore predator/prey relationships through games and activities. Each student will receive a study booklet to take home. *NH Std. SPS 1.1, 1.2, 1.4, 2.4, 3.1 ESS 4.3; LS 1,2 3, 5; SS:GE 3; RRS 2*

Habitat Quest**Grade 4-up****1.5 - 2 hours**

This questing activity employs maps, compasses and clues for students to seek out the habitat needs of several different mammals: an omnivore, a carnivore, an insectivore and an herbivore. Find the hidden boxes in the woods with teeth, skulls and food items to solve the quest! Students will present the findings of their group to the rest of the class. *NH Std. SPS 1, 2, 3 SSGE1, LS 1,2, RSS 2*

Frogs, Toads and Turtles Gr. 1 - 4**1 - 2 hours**

Everybody loves a frog! Get an up close look and learn all about the adaptations of these amazing amphibians. What is the difference between a reptile and an amphibian? Examine specimens and note characteristics of each. Visit wetlands and ponds to look for these well-camouflaged creatures at Beaver Brook. *NH Std. Sci 3a, 3b, 3d*

Other topics: *Rocks and Minerals, Intro to Plants, Where are you in the Watershed?; How big is your (carbon) footprint?*

**Field Trip Fees****Min. fee**

1 hour class	\$5.00pp	\$90
1.5hour class	\$6.00pp	\$108
2 hour class	\$7.00pp	\$126
3 hour class	\$8.00pp	\$144
4 hour class	\$9.00pp	\$162

Maximum # students = 24 per class.

Up to 6 adult chaperones free.

Call for information on bringing a program to your school or organization.

Beaver Brook Association is a partner in NH's "Leave No Child Inside" Initiative.

Leave No Child Inside