



Experiential Outdoor Learning

at

Beaver Brook Association

Environmental Education Center for students of all ages

BBA has a staff of experienced teachers who welcome you and your students to explore a variety of environmental topics.

Discover Fall Sept-Nov

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 adaptations and transitions from fall to winter. **Discover Fall** highlights the process of plants and animals preparing for winter. Seeds, nuts, preparing winter homes, and migration are important themes.

Discover Winter highlights the various survival techniques employed by plants and animals in the snowy woods and ice covered ponds.

NEW this Year! "Animals Get Ready" Puppet Show for PreK-2nd gr. Animates the concepts of hibernation, adaptation and migration with an animated story using our new puppet theater. This combines with above topics (2 class minimum). NH Standards: SC 6.2.6s; 6.1.6s; SS 3.12.6; 6.2.6s

Animals in winter: Adaptation Stations

3rd gr. and up

Students brainstorm winter survival techniques employed by animals. They rotate through several inquiry 'lab' stations on insulation, hibernation, alternative food sources and other animals adaptations. Two hour class performs an animal 'Antifreeze' experiment or tracking animal signs outside. NH Standards: SC 6.2.6s; 6.1.6s; 3.2.6s

Which way to the Lodge? Beavers and their wetland friends

PreK-6th

Why do beavers have red teeth? How is a beaver's tail like a canoe paddle? How can they survive under the ice during winter? Beavers are incredibly well adapted creatures. While observing a beaver mount, skull, and various other items, students will learn about the beaver's amazing adaptations. Students will visit a nearby beaver lodge and dam, learn how these mammals alter their environments to suit their own needs, and see how these changes benefit other types of wildlife. NH Standards: SC 6.1.6s; 6.2.6

Native Americans of the Woodlands

K & up

Participate in a multi-station program focusing on Native American Woodland People. Students will rotate between stations with hands-on activities highlighting different aspects of Native American culture. They will hike the forest to **our new wigwam** and handle and discuss implements of Woodland Indian daily life. Many of our **children's games** originate with Native American children. Make and play some. In our **Native American Garden**, identify the "Three Sisters", some medicine plants and grind corn with a stone pestle. Learn how these people depended on the land, plants, and animals for their survival and the impact that winter had on their survival. 3 hour program includes games. Four Hour program includes learning about wild edibles and useful trees and plants. *NH standards: SS 3.14.6s; 3.15.6s SC 4.16.6s; 3.2.6s*

N.E. Wildlife: Who's Out There?

2nd-up

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 animal mounts, skins, scat, skulls and nests and try to identify the creatures that left them behind. Once their observational skills are sharpened, students will receive special assignments and head out onto the trails to count, measure, collect, and observe signs left by the animals that make our area their home. *NH SC 6.1.6s ; 3.2.6s; SS 3.14.6s*

Forest Ecology

4th- up

New England lands have changed dramatically over the last 400 years. Students will learn about land use changes and forest succession from the 1600s through the present. We will follow a trail from an old farm and its fields through the various stages of natural reforestation that occurs. Students will collect data on the stages of forest succession and the species that dominate each stage. Along the way they will look for wildlife signs and explore predator/prey relationships through games and activities. Each student will receive a study book to take home. *NH Standards: SC. 3.2.6s; 3.3.6, 6.1.6s; 6.2.6s; SS 3.12.6s; 3.14.6s; 3.15.6s*

Habitat Quest

4th and up

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. As with letterboxing, they will find hidden boxes in the woods with teeth, skulls, and food items that they bring back and share with the group which synthesizes the animal's habitat needs. *NH Standards: SC 3.1.6.s; 3.4.6s; 6.1.6; 3.2.6s SS3.10.6s; 3.14.6*

Orienteering: Using Map & Compass

4th and up

Learning map reading is very empowering and a valuable life-long skill.. In this class, participants will learn how to read maps, use compasses and navigate on trails in search of an orienteering marker on our permanent course. The challenge increases the longer you stay! You always see and learn about new things along the trail. *NH standards: SS 3.10.6s*

Bats and Owls

Gr. 2 & up

Bat myths are busted in this class! And owls are neatly examined. This is a great class to experience near Halloween when bats and owls are often showcased inaccurately. We'll turn students into aficionados on these often misunderstood flying creatures. Take a hike to look for owl habitat and roosting trees. Owl pellet dissection is an optional activity too. *NH Standards: SC 3.1.6s; 3.2.6s*

Ask about other classes: Flying Creatures—All about birds & habitats!, Dinosaurs, Rocks and Minerals, Where are you in the Watershed?-- Hydrology modeling, conservation, pollution and Survivor Quest.

Program Fees based on a #students Min.

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

Call for outreach fees. Many BBA programs are adapted for presentation in schools and other venues. Ask about our Scientist and Naturalist-in-Residence Program! We've constructed Nature Trails, Butterfly Gardens, sampled insects, inventoried wetlands and mapped habitats in schoolyards to name a few projects.



Beaver Brook Association

117 Ridge Road, Hollis, NH 03049

(603) 465-7787 / Fax (603) 465-9546

www.beaverbrook.org