



Grades PK-3

ASHLAND NATURE CENTER PROGRAMS

Animals in Winter

1½ hours, \$6/student

Learn about animals native to Delaware and their strategies for winter survival. Investigate which animals hibernate, which stay awake, and which migrate south. View taxidermy and live animals and take a winter walk to look for signs of animals that remain active during the winter season. December-March.

Aquatic Habitats

1½ hours, \$6/student

Use senses to explore a marsh, pond, and stream and discover the importance of water as a habitat. Observe animal adaptations and the stages of life cycles as you investigate these habitats. Completing this lesson qualifies your class to adopt a stream.



Discovering Habitats

1½ hours, \$6/student

Use senses to explore the woods, marshes, fields, and streams to find evidence of the animals and plants that live in these habitats. Explore how specific habitats provide different animals with the requirements they need to survive, food, water, shelter, and places to raise young.

Discovering Trees

1½ hours, \$6/student

Investigate a variety of different trees and observe their similarities and differences. Learn parts of trees and their functions, what trees need to grow, and why and how trees change throughout the year. Determine why trees are important to the ecosystem.

Insect Safari

1½ hours, \$6/student

Discover the specific characteristics of insects, such as body parts and functions and types of metamorphosis. Explore meadows, streams, and forests and use nets and magnifying lenses to collect and examine the insects you find to see how they are adapted to their environment.

Insect Safari On School Grounds Outreach

1 hour, \$6/student + \$35 travel fee

Delaware Nature Society staff will travel to your school to lead a discovery of insect characteristics, body structure and diversity, and then guide an exploration of the school grounds for students to collect and observe the insects found there.

Life of the Monarch Butterfly

2 hours, \$6/student

Discover the unique adaptations and behaviors of Monarch butterflies at the Burrows Run Preserve. Observe the stages of a monarch's life cycle and tag monarchs for an international scientific research program to document their migration. Program meets at the Burrows Run Preserve. September-October.

Maple Sugaring

1½ hours, \$6/student

Explore the effect of seasonal changes on trees. Learn to identify maple trees using your senses. Examine how a tree makes sap and discover the process of making maple syrup. Experience how early Americans collected and boiled sap to make syrup and see how trees are tapped to harvest sap today. February-March.

Mining & Minerals

1½ hours, \$6/student

Explore an early mining operation to uncover and classify various rocks and minerals native to Delaware's Piedmont geologic region. Use rock hammers and safety goggles to collect samples for identification and take specimens back to the classroom. Program meets at Woodlawn Quarry.

Native Americans Classroom Outreach

1 hour, \$6/student + \$35 travel fee

Investigate the lives of the early inhabitants of Delaware as you examine tools and clothing. Experience several activities that the Lenni Lenape tribe participated in as you learn about Delaware's Native Americans.

Native Birds Classroom Outreach

1 hour, \$6/student + \$35 travel fee

Explore the unique and varied adaptations of native birds, including body shape, feathers, beaks and feet, and investigate how these adaptations help birds survive. View mounted specimens, nests, eggs, and listen to bird calls as you learn about species in our region.



Native Americans in Delaware – Young Lenape

1½ hours, \$6/student

Explore the culture and customs of the early inhabitants of Delaware. Walk the lands these people once inhabited, visit a replica lodge and investigate tools, clothing, hunting methods, games, stories, and plants that Native Americans used. Learn about Delaware’s Lenni Lenape tribe and their dependence on nature.

Native Wild Animals Classroom Outreach

1 hour, \$6/student + \$35 travel fee

Learn about wild animals that are native to Delaware while noting their similarities and differences. Examine the habitats and characteristics of these wild animals with live animals and taxonomy specimens.

Pond Study

1½ hours, \$6/student

Investigate the water cycle as you explore aquatic habitats. Visit the Ashland mill pond and use dip nets to sample the diversity of aquatic organisms and discuss their role in the pond food chain. Compare and contrast the pond environment with a creek and a marsh and discuss how each habitat is affected by changing weather and the seasons.

Reptiles & Amphibians Classroom Outreach

1 hour, \$6/student + \$35 travel fee

Learn fascinating facts about frogs and toads, salamanders, turtles and snakes during this live animal presentation. Examine the differences between reptiles and amphibians and learn the significance of their unique adaptations and differing life cycles.

Seasonal Delight

1 hour, \$6/student

Take a sensory hike to discover how the seasons affect plants and animals that live around Ashland Nature Center. Use senses to explore the environment, identify structures of organisms, and compare and contrast the properties of the plants and animals you observe.

Spring Amphibians

1½ hours, \$6/student

Use senses to explore the world of amphibians during the time when they are chorusing and laying eggs. Observe live specimens, compare unique adaptations of frogs and salamanders, and explore aquatic and terrestrial habitats to see different life cycle stages. March-June.

Unhuggables Classroom Outreach

1 hour, \$6/student + \$35 travel fee

View live animals such as spiders, snakes and lizards to learn about the important role that these less popular and misunderstood animals play in the balance of nature.

Weighing at the Mill

2 hours, \$6/student

Discover how corn and wheat are transformed into food products inside historic Cooch-Dayett Mills. Conduct experiments while weighing corn and wheat at various stages in the milling process and arrange items in serial order based upon your research.

Additional programs offered – See our website for complete descriptions.

- Animals in Winter Classroom Outreach ~ 1 hour, \$6/student + \$35 travel fee
- Discovering Trees School Grounds Outreach ~ 1 hour, \$6/student + \$35 travel fee
- Organisms Field Study ~ 2 hours, \$6/student
- Seeds Field Study ~ 1 hour, \$6/student

COVERDALE FARM PROGRAMS

“A-MAIZE-ING” Grain

2 hours, \$6/student

Follow the life cycle of corn from spring planting to fall harvest. Discover the importance of this diverse grain to humans and farm animals.

Fall on the Farm

1½ hours, \$7/student (includes material fee)

Experience the seasonal changes at Coverdale Farm. Explore the farmstead to discover cows, pigs, chickens and sheep. Learn the lore of the scarecrow, harvest a pumpkin from the patch and board a hay wagon for a journey around the farm. September-November.

Farm Families

1 hour, \$6/student

Celebrate spring on the farm with the arrival of our farm animal babies. Meet the farm animal mothers and young and learn what they all need to live and grow. April-June.





Farm Life

1½ hours, \$6/student

Discover the animals and plants that live and grow at Coverdale Farm. Connect with the farm life cycles through hands-on activities.

Five Senses Farm

1½ hours, \$6/student

See, hear, smell, touch and “taste” your way around Coverdale Farm. Interact with cows, pigs, chickens, sheep and lots of vegetables and herbs. Use your sensory “tools” to discover the farm life cycles and learn how the farm animals use their senses! Tasting will be modified due to student allergy concerns.

From Farm To You

2 hours, \$6/student

Explore Coverdale Farm plants and animals to discover the sources of food and fiber we all depend upon. Connect to the farm web of life through hands-on activities.

It All Starts with Soil

1½ hours, \$6/student

Investigate local agricultural soil to decide which crops should be grown at Coverdale Farm. Determine soil composition, perform tests like touch and roll and streak, make predictions about plant growth and explore the farm compost. In spring plant the student selected crop, in the fall harvest and prepare seeds.

ABBOTT’S MILL NATURE CENTER PROGRAMS

Animals in Winter Classroom Outreach

1 hour, \$5/student + \$35 travel fee

Learn about different animals native to Delaware and their strategies for winter survival. Investigate which animals hibernate, which stay awake, and which migrate south. See and touch live animals, taxidermy and enjoy a story.

Beach Discovery

1½ hours, \$4/student

Explore Slaughter Beach while learning about crabs, sea turtles, and other animals of Delaware Bay. Build with sand, create a sea turtle nest, walk like a crab, and help “sand” turtles get to the water. Program meets at Slaughter Beach. April-October.

Discovering Habitats (Who Lives at Abbott’s?)

1½ hours, \$4/student

Use senses to explore the forest, stream, and meadow in search of animals that live in these habitats. Discover the special adaptations, shelters, and foods these animals depend on. Get up close with live animals and taxidermy.

Discovering Trees

1½ hours, \$4/student

Explore the habitat at Abbott’s Mill to discover a variety of trees. Find out how trees grow and protect themselves, identify parts of trees, and describe their functions. Determine why and how trees change throughout the year and why they are important to other plants, soil, clean air and water.

Insect Safari

2 hours, \$5/student

Collect and observe insects found in meadows, forests and streams. Learn about insect characteristics and compare life cycles. Build a bug and examine adaptations to their habitats.

It All Starts with Soil

2 hours, \$5/student

Discover soil and how it influences plants, animals and people. Conduct scientific experiments to identify the three basic components of soil and compare different soil types from forest, meadow, and swamp. Observe soil layers with augers and test pH to distinguish humus, sand and clay.

Native American Lifeways

2 hours, \$5/student

Engage in bartering as you discover Native Americans in three regions of the United States. Learn about important natural resources in each region and help to construct a model dwelling of that area. A take-home craft and Native American game completes the experience.

Native Americans Classroom Outreach

1 hour, \$5/student + \$35 travel fee

Experience the lives of Delmarva’s Native Americans. Learn about the animals and plants that supported Native populations and the ingenious ways that they used the environment. Try on Native-styled clothes, make music, and enjoy a legend about a Turtle.

Native Wild Animals Classroom Outreach

1 hour, \$5/student + \$35 travel fee

Learn about wild animals native to Delmarva while looking closely at live animals and taxidermy. Examine the habitats and characteristics of these wild animals and learn which species might live in your backyard.

Pond Study

2 hours, \$5/student

Immerse yourself in pond ecology and get up close with the animals and plants of the pond ecosystem. Use dip nets and waders to survey aquatic inhabitants of Abbott’s Pond. First grade examines the unique plant life of the pond. Second grade looks at how animals develop, change, and adapt to the pond.



Pondering the Pond

1½ hours, \$4/student

Ponder the pond and discover the plants and animals that call it home. Meet live animals and taxidermy to learn about mammals, amphibians and reptiles. Explore how pond organisms are similar and how they are different.

Reptiles & Amphibians Classroom Outreach

1 hour, \$5/student + \$35 travel fee

Discover fascinating facts about frogs and toads, salamanders, turtles, and snakes during an exciting animal program. Live specimens aid in examining the differences between reptiles and amphibians and in exploring the significance of their unique adaptations and life cycles.

Rock Hounds

2 hours, \$5/student

Learn about the rock cycle, where Delaware's rocks come from, weathering, and the differences between rocks and minerals. Use a dichotomous key to select and separate types of rocks. Perform a variety of tests to determine what minerals are present in the different rocks. Program meets at Slaughter Beach. April-October.

Seashore & Saltmarsh

2 hours, \$5/student

Comb the beach, scan the dunes, and explore saltmarsh habitats at Slaughter Beach while discovering the unique plants and animals that live in each area. Learn about conserving these fragile ecosystems. Program meets at Slaughter Beach. April-October.

Unhuggables Classroom Outreach

1 hour, \$5/student + \$35 travel fee

Spiders, bats, snakes and lizards are all animals that make many people shudder. Learn about the remarkable role these less popular animals play in the balance of nature and explore their wondrous adaptations.

Weighing in the Mill

2 hours, \$5/student

Discover how corn and wheat are transformed into food products inside historic Abbott's Mill. Conduct experiments while weighing corn, wheat and wood at various stages in the milling process. Arrange items in serial order based upon your research.

Young Native Americans

1½ hours, \$4/student

Experience the lives of Delmarva's Native Americans. Learn about the animals and plants that supported Native populations and the ingenious ways that they used the environment. Visit a stream, try on Native-styled clothes, make music, and enjoy a legend about a Turtle.

Additional programs offered – See our website for complete descriptions.

- Maple Sugaring Field Study ~ 2 hours, \$5/student
- Native American Lifeways Classroom Outreach ~ 1½ hours, \$5/student + \$35 travel fee
- Organisms Field Study ~ 2 hours, \$5/student
- Seeds Field Study ~ 2 hours, \$5/student

