



Recommended 4th Grade Programs

*Blue Jay's education staff loves working with 4th graders! Our one-hour programs are free and available for groups of 10-25 students plus chaperones. While our group programs are free, please be mindful that we are reserving this spot especially for your group—any cancellations must take place in writing at least 30 days in advance of your program date. **Programs go on rain or shine**—we have great indoor resources and activities to use when needed.*

Call (919) 870-4330 or email bluejaypoint@wakegov.com to make a reservation.

● **Remarkable Raptors** Appreciate the unique niche of day and night-time raptors with this informative mostly indoor but very interactive and hands-on program about birds-of-prey adaptations and behavior. **Essential Standards** 4.L.1.1, 4.L.1.2, 4.L.1.3, 4.L.1.4 **Note to Group Leader:** This one hour staff-led program is greatly complemented by using one or more of the following Discovery Boxes (under your direction) immediately before or after the program. You may feel more comfortable leading some of these Discovery Boxes if you preview them first—email us at bluejaypoint@wakegov.com to preview or to reserve these boxes for your group's use.

REPTILE RELATIVES

Length: 30 - 45 minutes **Source:** Sea Turtle Trek EELE and Laura Copeland
Area: Indoors or Outdoors
Summary: Become familiar with the adaptations, anatomy, and natural history of a sea turtle and a terrestrial turtle. Learn how certain adaptations make them well-suited for the habitats they live in and why the sea turtle is endangered and the Eastern box turtle is not.

BEAVERS OF BLUE JAY

Length: 30 – 45 minutes plus hike time **Source:** Blue Jay Point Staff
Area: Anywhere
Summary: Learn about this fascinating mammal that calls Blue Jay Point home. Handle a beaver pelt and beaver chew sticks. If time allow (1 hour needed), take a hike to look for beaver signs at the lake shore—ask Blue Jay staff for tips on locations.

CAMO-CREEPERS

Length: 30 minutes **Source:** Project WILD
Area: Outdoors – meadow, wooded trail, parking lot margins
Summary: Experience the thrill of the hunt learning about predator and prey camouflage while searching for pipe cleaner “walking stick insects.”

● **Piedmont Ecology 4** Learn about piedmont ecology, including plant and animal interrelationships, while focusing on ecological succession in this hike-based program. This program which includes a hike, takes place rain or shine—appropriate alternative indoor activities will be substituted when needed. Student mobility challenges can be accommodated with advanced notice. **Essential Standards** 4.L.1, 4.G.1.1, 4.G.1.2, 4.G.1.3, 4.H.2.2 **Note to Group Leader:** This one hour staff-led program is greatly complemented by using one or more of the following Discovery Boxes (under your direction) immediately before or after the program. You may feel more comfortable leading some of these Discovery Boxes if you preview them first—email us at bluejaypoint@wakegov.com to preview or to reserve these boxes for your group's use.

THE TRIAL OF FREDDIE THE FUNGUS

Length: up to 2 hours **Source:** Adapted from *The Trial of Freddie the Fungus*
Area: Indoors or Outdoors, seated from Tremont Institute
Summary: Participants explore the interconnectedness of all forest life. Students learn that human ethics/values cannot be placed on wild plants and animals while they act out and discuss this activity.

OH DEER

Length: 30 minutes **Source:** Project WILD
Area: Indoors or Outdoors – open area
Summary: Learn about the components of habitat in this “move around” activity that will help students identify food, water, and shelter as three essential components of habitat; describe the importance of good habitat for animals; define “limiting” factors and give 3 examples, and recognize that some fluctuations in wildlife populations are natural as ecological systems undergo change.

DON'T TAKE A “LICHEN” FOR POLLUTION

Length: 30 minutes - 1 hour **Source:** Air and Waste Management Association:
Area: Marked Outdoor area with lichen Environmental Resource Guide—Air Quality
Summary: Participants learn about different kinds of lichen and how they act as bio-indicators for air pollution. The participants will evaluate the relative health of the environment they are studying based on the presence, diversity, and size of lichen in the area.

● **It's Neuse to Me!** – Learn what a watershed is, about runoff and erosion, why watersheds are important to us, and how human interaction affects water quality through point source and non-point source pollution (and prevention). Learn about your ecological address! This program which includes both indoor and outdoor learning experiences, takes place rain or shine—appropriate alternative indoor activities will be substituted when needed. Student mobility challenges can be accommodated with advanced notice.

Essential Standards 4.E.2.3, 4.L.1.1, 4.L.1.3, 4.H.1.3, 4.G.1.1, 4.G.1.2, 4.G.1.3 **Note to Group Leader:** This one hour staff-led program is greatly complemented by using one or more of the following Discovery Boxes (under your direction) immediately before or after the program. You may feel more comfortable leading some of these Discovery Boxes if you preview them first—email us at bluejaypoint@wakegov.com to preview or to reserve these boxes for your group's use.

DRIP DROP

Length: 30 minutes **Source:** Project WET and Christina Sorensen
Area: Outdoors - open area
Summary: Students learn about erosion and sedimentation as they role-play water drops traveling to a pond. Students will compare the speed at which water flows across land with and without plant cover, and how this affects sediment pollution.

DISCOVER OUR ECOLOGICAL ADDRESS

Length: 30 min. – 2 hours **Source:** Adapted from Project WET and NC OEE website
Area: Outdoor
Summary: Where does the water go when it rains? Learn what a river basin is with the following activities, each lasting approximately 30 minutes. Water Drop Match: Discover Blue Jay Point's river basin and what makes it special (this particular activity could be done inside). The following activities use Blue Jay's giant N.C. river basin map. River Basin Riddler Relay: This action-packed, trivia-based fact game promotes participant learning about N.C.'s 17 river basins (best for class-size groups). River Basin Hopscotch: Participants label the 17 N.C. river basins and increase their fitness by “hopscotching” across the map while practicing the basins' locations (great for small groups!). Map Makers: Using the provided information, participants label geological features, cities, etc. on the giant map with sidewalk chalk. Participants draw in the major rivers and tributaries, then trace how the water flows in the basins.

MACROINVERTEBRATE MAYHEM

Length: 45 minutes - 1 hour **Source:** Project WET
Area: Outdoors
Summary: Learn the effects of environmental stressors on the macroinvertebrate population of an aquatic ecosystem by playing a game of tag. Students will model different behaviors to learn characteristics of pollution intolerant and tolerant insects.

Blue Jay Point County Park
3200 Pleasant Union Church Road
Raleigh, NC 27614
www.wakegov.com/parks/bluejay