

Audubon Naturalist Society

SCHOOL PROGRAMS

2009 - 2010



Audubon Naturalist Society
Woodend Sanctuary
8940 Jones Mill Road
Chevy Chase, MD 20815
Phone: (301) 652-9188, x17
Fax: (301) 951-7179
www.audubonnaturalist.org

Audubon Naturalist Society
Rust Sanctuary
802 Children's Center Road
Leesburg, VA 20175
Phone: (703) 669-0000, x2
Fax: (703) 669-1234
www.audubonnaturalist.org

Who We Are

The Audubon Naturalist Society, founded in 1897, is an independent nonprofit organization dedicated to educating people of all ages about the natural world, promoting conservation of biodiversity, and protecting natural habitat. We focus our efforts on the mid-Atlantic region.

About Our Programs

We offer a wide variety of programs for school groups in grades Pre-K through 8. Field trip programs to our Woodend Sanctuary in Chevy Chase, MD and our Rust Sanctuary in Leesburg, VA allow students to experience nature up close and get a first-hand look at the many plants and animals that call our sanctuaries home. We also offer in-school programs that bring nature right into the convenience of your classroom or schoolyard. All of our programs emphasize hands-on, interactive learning and are led by enthusiastic naturalists/teachers.

Program Details and Fees

Program details:

- Programs are offered Monday-Friday from 9:30 a.m. to 4:30 p.m.
- Group size is generally limited to 30 children; however, we can accommodate larger groups with advance notice. Call for details.
- All field trip programs run rain or shine and are conducted entirely outdoors. Please dress for the weather.
- Picnic tables are available for lunches and snacks at both Rust and Woodend on a pre-arranged basis.
- Programs are available in Spanish by request. *Ofrecemos programas en español!*

Program Fees:

Field Trip Programs:

- 1 hour programs: \$4.50 per student; \$65 minimum
- 1 ½ hour programs: \$5.00 per student; \$75 minimum
- No charge for teachers or chaperones

In-School Programs:

- Same fees as above, but add \$30 per day travel fee for schools up to 10 miles from Woodend or Rust, or \$40 per day fee for schools 10-20 miles from Woodend or Rust.

Cancellations and Refunds:

Cancellations made:

- 3 weeks or more before program: full refund minus \$15 fee
- 1-3 weeks in advance: 50% refund minus \$15 fee
- Less than 1 week in advance: no refund

Programs will be rescheduled at no charge in the case of school closings due to inclement weather/snow.

Scholarships:

- If more than 50% of your school's children are in the free or reduced lunch program, we may be able to reduce your program fee with a scholarship. Please contact us to receive a scholarship application.

Field Trip Programs at Woodend and Rust

Outdoor Programs - Fall and Spring (Offered September - December and March - June)

Discovery Hunt (Pre-K (4 yrs. & older) - 1st grade)

Join us on a sensory adventure as we use our eyes, ears, noses, and hands to explore nature. We'll look for colors and shapes in the forest and meadow, discover surprising smells, listen for wildlife, and examine clues of the season. This very popular program is the perfect way to introduce children to their senses and nature. MCPS Science Units: Pre-K PSW, UNC; K LIT. Virginia Science SOLs: K.2; K.4a,b,c; K.8b; 1.1a, h. 1 hour.

Small Creatures for Small Hands (Pre-K (4 yrs. & older) - 1st grade)

Come explore the world of "creepy-crawlies" at Woodend and Rust! We'll get down and dirty as we dig through the soil to learn about insects, worms, and all the small creatures living under our feet. Students will get a chance to meet these creatures up-close and learn about the important roles they play in nature. *Program can be tailored to 2nd - 4th grades too!* MCPS Science Units: Pre-K PSW, UNC; K LIT; Grade 2 LCB; Grade 4 ECO. Virginia Science SOLs: K.6; 1.5. 1 hour.

Seasons of Change (Pre-K (4 yrs. & older) - 1st grade)

As the seasons change, so do the plants and animals around us. Together we'll explore some of nature's seasonal surprises. Fall brings opportunities to learn about changing leaves, migrating birds and insects, and the hunt for seeds and food. In the spring, we'll stop to smell the flowers, search for animal babies, and look for butterflies and other warm-weather visitors. With lots of exploration and hands-on activities, this program is guaranteed to ignite the curiosity of your youngest naturalists! MCPS Science Units: Pre-K PSW, UNC; K LIT. Virginia Science SOLs: K.8a; 1.7. 1 hour.

Birds of a Feather (1st - 6th grade)

We'll explore the life of our feathered friends by learning about their structure, eating habits, behavior, and adaptations. Woodend and Rust are wonderful spots for viewing birds of the forest, meadow, and pond. Through games and activities students will gain an appreciation for birds and the important roles they play in nature. MCPS Science Units: Grade 2 LCB; Grade 4 ECO. Virginia Science SOLs: 1.7b; 2.7a; 3.4; 4.5a. 1 or 1 1/2 hours.

Tree-mendous Trees (1st - 6th grade)

What can breathe without lungs, has a heart that doesn't beat, and makes its own sugar? A tree of course! In this program we'll explore the fascinating world of trees. We'll go on a leaf hunt, meet a tree up-close, role-play the layers of a tree, and learn to identify some local trees around us. Through role-playing, observation, and games students will learn the importance of these gentle giants and gain an appreciation for how they help us every day. MCPS Science Units: Grade 3 PGD; Grade 4 ECO. Virginia Science SOLs: 1.4; 2.8; 4.4. 1 or 1 1/2 hours.

Growing Green (1st - 6th grade)

Just like people, plants go through different stages of their lives and need certain things to survive. We'll examine the life cycle of a plant and search for evidence of plants in different stages around our sanctuary. In the fall, we'll go for a seed hunt and discover the many ways plants spread their seeds. In the spring, we'll search for flowers and pollinators. In any season, students will learn about how plants reproduce and the factors influencing their survival. MCPS Science Units: Grade 3 PGD; Grade 4 ECO. Virginia Science SOLs: 1.4; 2.4b; 3.8b; 4.4a,b; 4.5. 1 1/2 hours.

"I am just grateful that ANS offers these programs and they they are staffed by such enthusiastic and knowledgeable teachers. The information they impart is essential if our students are to grow up to be better stewards of the natural environment than we have been."

-2nd grade teacher

The Producers (1st - 6th grade)

From maples to milkweed, and bamboo to blackberry, Woodend and Rust have a wide variety of plant life to discover. Through outdoor hunts and games we will learn about the important roles plants play in nature and how they get what they need to survive. This general overview of the plant world, covering photosynthesis, adaptations, and the six plant parts, is a great introduction for classes starting their study of plants, or those who want a greater focus on photosynthesis. MCPS Science Units: Grade 3 PGD; Grade 4 ECO. Virginia Science SOLs: 1.4; 2.8a,c; 3.5a; 3.10a; 4.4a,c,d; 4.5a. 1 hour; (1 1/2 hours at Rust).

Eco-Action! (1st - 8th grade)

Empower your kids to think globally AND act locally while doing a bit of community service! Depending on the theme chosen - either birds, invasive plants, or composting - students will make connections to the environment by helping our local birds or composting site. Each program will include a hike and hands-on activities relating to the theme, such as making a compost bin or your own bird feeders or pulling invasives. MCPS Science Units: Grade 2 LCB; Grade 4 ECO; Grade 6 Chesapeake Bay Populations and Ecosystems. Virginia Science SOLs: 1.8 b,c; 3.4; 6.9 a,c. 1 1/2 hours.

Animal Habitats (2nd - 6th grade)

All plants and animals need a place to call home. Join us as we explore the four things every animal needs and the amazing variety of places they can find them. Food, water, shelter, and space abound at our nature sanctuaries. We'll play games and take a hike around the sanctuary to look for evidence of animals and discover their habitats. MCPS Science Units: Grade 2 LCB; Grade 4 ECO. Virginia Science SOLs: 2.5b; 3.4a; 3.6a,b; 4.5d. 1 1/2 hours.

Field Trip Programs Continued

Life Cycles (2nd - 6th grade)

From caterpillar to butterfly and tadpole to toad, the plants and animals around us undergo amazing changes as they grow older. In this "life-changing" program we'll examine the cycles some of our local creatures go through over the seasons, and explore our sanctuaries for signs



of insects and other animals in different stages of their lives. This program can emphasize insects, amphibians, birds, or mammals. MCPS Science Units: Grade 2 LCB; Grade 3 PGD; Grade 4 ECO. Virginia Science SOLs: 2.4; 3.8b; 4.5e. 1 1/2 hours.

Native American Life - Living off the Land (2nd - 8th grade)

Walking through our woods and meadows can be a journey into the past. Students will explore our sanctuaries in search of the varied plants that Native Americans and early European settlers used for food, shelter, and medicine. Students will also look for signs of animal life and practice tracking as they learn how Native Americans relied on their keen observational and tracking skills for survival. MCPS Social Studies Units: Grade 2, 4. 1 1/2 hours. Virginia Science SOLs: 2.8. Social Science K.1; 2.2. VUS 2.

"Please keep up the good work - you are a real community asset!"
-MCPS science teacher

Amazing Adaptations (3rd - 6th grade)

From thorns and tendrils to teeth and talons, plants and animals are equipped with an amazing array of structures and behaviors to help them stay alive. We'll start by identifying some survival adaptations, then search for more in our sanctuaries' many habitats. A live snake may be used for discussion at the Woodend Sanctuary. MCPS Science Units: Grade 3 PGD; Grade 4 ECO; Grade 6 Diversity and Adaptations. Virginia Science SOLs: 3.4; 3.5c; 4.5a. 1 1/2 hours.



Pond Exploration (3rd - 8th grade)

Tadpoles, turtles, dragonfly nymphs, and ducks are just a few of the creatures that make our ponds their home. Get ready to get muddy as we explore the pond in search of its many inhabitants. We'll also learn about the food webs that exist in this aquatic environment and the unique adaptations these plants and animals have to help them survive. Getting wet and/or muddy is possible - please dress appropriately! MCPS Science Units: Grade 4 ECO. Virginia Science SOLs: 3.4a; 3.5; 3.6a; 3.8b; 3.10b; 4.5; 4.8a; 5.5d; 6.7a; LS.10b,c. 1 1/2 hours.

Web of Life (3rd - 8th grade)

All the plants and animals of the forest, meadow, and pond are connected through the web of life. In this very active program, we'll experience what it's like to be part of the food chain, examine how plants and animals are interdependent, and learn how one action can affect an entire ecosystem. Through games and a hike students will come to understand how plants and animals are connected and the roles humans play in the web of life. MCPS Science Units: Grade 4 ECO, Grade 6 Chesapeake Bay Populations and Ecosystems. Virginia Science SOLs: 3.5; 4.4c; 4.5b,c,f; LS.6c; LS.9a,b. 1 1/2 hours.

Watershed Adventure (3rd - 6th grade)

We all live in a watershed and are responsible for keeping it safe and healthy. Jump start your Meaningful Watershed Experience (MWE) with a hands-on learning experience at Rust or Woodend. In this exciting new program, students will learn our watershed address, investigate what is so important about a watershed, and find ways to keep pollution out of our streams and waterways. MCPS Science Units: Grade 6 Chesapeake Bay Populations and Ecosystems. Virginia Science SOLs: 3.6; 3.10; 4.8; 6.7. 1 hour.

Geology Rocks! (4th - 7th grade, Rust only)

What is the rock cycle? What forces change the earth's surface by building mountains or creating oceans? In this interactive program, students investigate the earth's interior and plate tectonics; discover the difference between sedimentary, metamorphic, and igneous rocks; and take a hike looking for clues to our area's geologic past. Virginia Science SOLs: 4.8c; 5.7; ES.6; ES.8; ES.10a. 1 1/2 hours.

Nature in Winter (Pre-K - 8th Grade, December - March)

Our sanctuaries are teeming with life, even in the winter! In this program we will explore the woods and meadows searching for signs of animal activity and clues to the life cycles of trees and other plants. We will discuss migration, hibernation, and other ways that animals and plants cope with the cold. MCPS Science Units: Pre-K PSW; K LIT; Grade 1 WAM; Grade 3 PGD; Grade 4 ECO; Grade 6 Diversity and Adaptation. Virginia Science SOLs: K.9a; 1.7; 2.5b; 2.7a; 3.4b. 1 hour.

Winter Birds (1st - 8th Grade, December - March)

Winter is the perfect time for bird watching! Birds and nests are easier to see in the leafless trees. We'll observe winter bird behavior and search for their food and shelter among the forests and meadows of Woodend and Rust. MCPS Science Units: Grade 6 Diversity and Adaptations. Virginia Science SOLs: 1.5a,b; 2.7a; 3.4; 4.5a. 1 hour.

In-School Programs

Exploring your Schoolyard (Pre-K -1st grade)

Nature is everywhere - even at school! We will learn what things are part of nature, compare living and non-living things, speculate what “natural” things might be in the schoolyard, and go on a walk to search for nature’s wonders. MCPS Science Units: Pre-K PSW; K LIT; Grade 1 RSS. Virginia Science SOLs: K.2; 1.7. 1 hour.

Wonderful Worms! (K - 2nd grade)

This program brings worms out from underfoot and into the children’s hands! Through hands-on observation students will learn about earthworms’ structure, needs, and value as decomposers. We’ll also construct a worm habitat for your class to observe throughout the following weeks. MCPS Science Units: K LIT; Grade 1 RSS; Grade 2 LCB. Virginia Science SOLs: K.6a; 1.1a,b,h; 1.5a,b; 2.5a. 1 hour.

“Of all the field trips I’ve taken with classes, I felt this one was the best. They key is always in the guide, and she did a GREAT job!”
-Kindergarten teacher

Feathered Friends (K - 2nd grade)

Did you know that hummingbirds can fly backwards and woodpeckers listen for insect movement inside trees? Birds are incredible animals that have many interesting adaptations to survive. During this program students will investigate the characteristics of

birds, take a close look at beaks, feet and feathers, and explore some of their amazing behaviors and adaptations.

MCPS Science Units: K LIT; Grade 2 LCB. Virginia Science SOLs: 1.7b;

2.7a; 3.4; 4.5a. 1 hour.



Assembly: A Day in the Life of a Forest (K - 5th grade)

Spend a day in the forest without leaving your seat! Learn about the local animals and plants in our forests through a fun and interactive program. Your students will take on the role of these creatures as we meet who comes out during the dawn, day, and night. This program can be modified for various ages and time limits. Prices vary by program. Please call for more information.

Reptile or Amphibian? (K - 6th grade)

Discover the fascinating world of reptiles and amphibians! Together we will investigate the similarities and differences of these incredible creatures by looking at their behaviors, adaptations, and life cycles through



a series of hands-on stations. Students may also get an up-close look at a live reptile or amphibian. MCPS Science Units: K LIT; Grade 4 LCB; Grade 6 Diversity and Adaptation. Virginia Science SOLs: 3.4; 3.8b; 4..5a,e. 1 hour (K-1), 1 1/2 hours (2nd - 6th Grade).

Amazing Adaptations (3rd - 6th grade)

From thorns and tendrils to teeth and talons, plants and animals are equipped with an amazing array of structures and behaviors to help them stay alive. In this program, students will identify unique survival adaptations through an interactive game and get an up-close look at feathers and skulls. We may also bring a live animal into your classroom and discuss the adaptations it has to survive. MCPS Science Units: Grade 3 PGD; Grade 4 ECO; Grade 6 Diversity and Adaptation. Virginia Science SOLs: 3.4; 3.5; 4.5a. 1 hour.

Stream Science (3rd - 12th grade)

Always wondered about the water quality of your neighborhood stream but didn’t know where to start? An ANS naturalist will come to your stream and get your students involved in learning about environmental impacts in their own backyard. Activities can include using nets to collect and identify benthic macro-invertebrates, measuring pH, dissolved oxygen and other chemical indicators of stream health, performing habitat assessments, and more. All programs are tailored to your grade level and needs and are generally 2-3 hours in length. Call for more details.

Geology Rocks! (4th - 7th grade)

What is the rock cycle? What forces change the earth’s surface by building mountains or creating oceans? In this interactive program, students investigate the earth’s interior and plate tectonics; discover the difference between sedimentary, metamorphic, and igneous rocks; and play a game to travel through the rock cycle. MCPS Science Units: Grade 4 EAM. Virginia Science SOLs: 4.8c; 5.7, ES.6; ES.8; ES.10a. 1 hour.

Registration Information

How to Register for a Program:

Please fill out the registration form found on page 7 of this catalog. Please complete one form for each class or program (make additional copies if needed).

For Woodend Programs (and in-school programs in Maryland and D.C.) either:

1. Fax your registration form to (301) 951-7179, or
2. Mail your registration form to: School Programs, Audubon Naturalist Society, 8940 Jones Mill Rd, Chevy Chase, MD 20815

For Rust Sanctuary Programs (and in-school programs in Virginia) either:

1. Fax your registration form to (703) 669-1234, or
2. Mail your registration form to: School Programs, Audubon Naturalist Society, 802 Children's Center Rd, Leesburg, VA 20175

Please indicate four preferences for day and date, and possible start and end times. We will confirm one of your choices by phone or e-mail. If you don't hear from us within five business days, please call to confirm that your fax or letter was received. Payment **MUST** be received three weeks prior to your program date. Only a full payment confirms your program. Please mail it with your registration form to guarantee your space.

Questions?

For programs in Maryland or D.C. call (301) 652-9188 x17.

For programs in Virginia call (703) 669-0000, x2.

Visit our website at www.audubonnaturalist.org for more information and to learn about all the other programs ANS offers!

GreenKids

An Environmental Program
In Search Of.....
A Few Good Schools



Would your Montgomery County or Loudoun County
Public School benefit from these **FREE** services?

- Environmental activities that meet MCPS & LCPS Standards
- Two years of free classroom visits from Audubon naturalists
- Materials funds for Schoolyard Projects
- Field trip subsidies to Audubon Nature Sanctuaries

Principals, teachers, and parents interested in having their schools
join GreenKids contact Diane Lill, project director, at
GreenKids@audubonnaturalist.org.

For more information visit ansgreenkids.org.

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20% off in our Sanctuary Shop.

Discount applies to educational materials,
such as books, DVDs and posters.

Just show your teacher ID.

ANS School Programs Registration Form

Please fill out this form completely and:

Fax to: (301) 951-7179 (MD and DC programs) or (703) 669-1234 (VA programs)

Or mail to the addresses printed on page 6

(You must use a separate form for each program)

Name of School: _____

Address: _____ Zip _____

Teacher: _____

Phone: (_____) _____ FAX: (_____) _____

E-mail address: _____

Program Title: _____

Length of Program (check one): _____ 1 hr. _____ 1½ hrs. _____ 2 hrs.

Special Emphasis: _____

Grade of Students: _____ Age Range of Students _____

Number of Students Attending: _____ Number of Adults Attending: _____

Do any of your students have special needs (hearing impaired, learning disabilities, etc)?

Will you come by (check one): _____ Bus _____ Carpool _____ n/a (In-school program)

How many programs do you want on this date? _____ (FAX or mail all forms together)

Do you need a scholarship application? _____ No _____ Yes

To assist with scheduling, please provide the day, date, earliest time we can begin your program and the latest time we can end your program.

CHOICE	DAY OF THE WEEK	DATE	EARLIEST PROGRAM START TIME	LATEST PROGRAM END TIME
First				
Second				
Third				
Fourth				

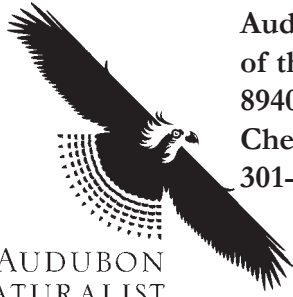
What is the best way to reach you? (check one)

_____ E-mail — address: _____ Telephone — time: _____

We will notify you within 5 business days of your scheduled date and time.

Questions? Call (301) 652-9188 x17 (MD and DC), or (703) 669-0000, x2 (VA).

By registering for an Audubon Naturalist Society School Program, I am consenting to the following statement of risk and acknowledgement of liability: I know and understand that there may be risks and dangers involved in the school program, and that ANS does not carry accidental injury insurance on participants. I waive and release ANS and its employees from all liability for any personal injuries, illness, loss or property damage. ANS reserves the right to use photos taken during school programs for non-commercial, informational purposes such as future school programs catalogs unless ANS is notified otherwise in writing.



AUDUBON
NATURALIST
SOCIETY
OF THE CENTRAL
ATLANTIC STATES, INC.

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of the Central Atlantic States, Inc.
8940 Jones Mill Road
Chevy Chase, MD 20815
301-652-9188

Non-Profit Org.
AUTO
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Silver Spring, MD
Permit No. 3385

Coming This Fall For Teachers! *Teachable Science* Teacher Training Workshops

Who: K-3 teachers

When: October 2009. Three Thursday workshops
(4:30-7:30 pm) and one Saturday field trip

Where: Audubon Naturalist Society, Chevy Chase, MD



- * Learn new activities to bring into the classroom
- * Receive free science materials to use in your class
- * Increase your knowledge of science content
- * Sharpen your questioning skills
- * Become more comfortable teaching students outside
- * Turn interruptions into teachable moments

For more information email lara@audubonnaturalist.org