

**Potomac Valley Audubon Society
School Programs**

*Programs presented at Yankauer Preserve are designed to be from 9:30 a.m. – 1:00 p.m.
Programs presented in the school classroom are generally 1 hour each although some are 1 ½ hours.*

Grade Level	Title	Locations	WVCSO's	Length
Kindergarten	What's Buggin' You? (Insects) Through hands-on activities, students learn about insect body parts, insect habitats, insect behavior, and how insects move!	Yankauer or School	SC.O.K.1.03 SC.O.K.1.05	2 hours (Y) 1 hour
	Sensational Senses Students observe the world around them out of the formal classroom by using hand lenses as well as their nose—and eyes and ears and tongue and toes! Exploring animal adaptations and their relationship to the 5 senses makes the natural world come alive.	Yankauer or School	SC.O.K.2.01 SC.O.K.2.04	2 hours (Y) 1 hour
	Wildlife Conservation (Under Revision) Students learn about life cycles of birds and butterflies and discover why habitat protection is important for their survival. Students begin a service project that helps conserve habitat. (Project can easily be completed by the teacher.)	School	SC.O.K.2.02 SC.O.K.2.03	1 hour
	Home is Where Your Habitat Is Students learn the four components of a habitat, make a “habitat chain” to hang in the classroom, then explore their schoolyard to discover it is a habitat, too! (Teachers may choose an optional activity where students learn about common backyard birds and their eggs.)	School	SC.O.K.2.02 SC.O.K.2.03	1 hour
1st Grade	Scientific Senses Students observe the world around them out of the formal classroom by using hand lenses as well as their nose—and eyes and ears and tongue and toes! Exploring animal adaptations and their relationship to the 5 senses makes the natural world come alive.	Yankauer School	SC.O.1.2.01 SC.O.1.1.04 SC.O.1.3.03	2 hours (Y) 1 hour
	What's Buggin' You? (Insects) Through activities and experiments, students learn about insect body parts and habitats, insect behavior, and discover how insects use camouflage to protect themselves from predators.	Yankauer School	SC.O1.2.02 SC.O1.2.03	2 hours (Y) 1 hour
	It's Alive! Students explore the characteristics of living and non-living things through hands-on observation of the natural environment, games, and	School	SC.O.1.2.01 SC.O.1.2.02 SC.O.1.2.03	1 hour

	an outdoor scavenger hunt.			
2nd Grade	Plants vs. Animals: Alike or Different? Do plants have tongues? Do animals have roots? Students explore the similarities and differences of plants and animals by learning the characteristics and functions of living things through hands-on observation of the natural environment and an outdoor scavenger hunt.	Yankauer School	SC.O.2.2.01 SC.O.2.2.02	2 hours (Y) 1 hour
	Plants vs. Animals (Multi-visit version) Students experience several sessions over the school year comparing plants and animals, their habitats, and what they do in the winter. Students further connect what they have learned through a field trip to a natural area, and a service project to help preserve habitat in their own schoolyard.	School	SC.O.2.2.01 SC.O.2.2.02 SC.O.2.2.03 SC.O.2.2.05	7, 1 hour sessions over 8 months
	At Home In The Forest An interactive explanation of forest levels allows students to think about what animals live in their local forests. The students create a forest mural, then role-play a story, based on “The Great Kapok Tree” which helps them think about the many uses of trees, both as habitat for animals and as a valuable resource for people.	School	SC.O.2.2.01 SC.O.2.2.02	1 hour
	Get Out! (Schoolyard exploration) Students explore their own schoolyard using a bingo scavenger hunt to discover that many different habitats may exist in their own backyard and that nature is everywhere!	School	SC.O.2.1.04 SC.O.2.2.05	1 hour
3rd Grade	Amazing Animal Adaptations Students will compare physical characteristics and behaviors of living organisms (camouflage, animal skins and skulls) and learn how animals are adapted to a specific environment through hands-on activities, models, and illustrations/graphs. (Teachers may choose a 1.5 hour program that includes an interactive session on bird beak adaptations.)	Yankauer School	SC.O.3.3.02 SC.O.3.2.03	2 hours (Y) 1 hour 1.5 hours
	Bird Beak Basics In this hands-activity, students experiment with and learn how bird beak adaptations determine what birds eat (seeds, flowers, worms, etc.) The results are recorded on a line graph then analyzed.	School	SC.O.3.2.03 M.O.3.5.3	1 hour
	Are You Dense? (Properties of water) Using hands-on experiments, students discover how solids dissolve in	School	SC.O.3.2.07 SC.O.3.2.08	1 hour

	liquids, density, surface tension, temperature, and the difference between salt and fresh water.		SC.O.3.2.05	
4th Grade	Are You Dense? (Properties of water) Using hands-on experiments, students discover how solids dissolve in liquids, density, surface tension, temperature, and the difference between salt and fresh water.	School	SC.0.4.2.15 SC.0.4.2.34	1 hour
	What's For Lunch? (Food chains and webs) Following an explanation of metamorphosis and food chains, students participate in activities that demonstrate food webs and the predator prey relationship. When visiting Yankauer Nature Preserve, students look for signs of food chains through hands-on observation of the natural environment and an outdoor scavenger hunt.	Yankauer School	SC.0.4.2.08 SC.0.4.2.01	2 hours (Y) 1 hour
	A River Ran Wild (Exploring cause and effect) As students read Lynne Cherry's "A River Ran Wild," they identify the cause and effects of water pollution described in the text. A graphic demonstration of the effects of pollutants on water leads to a brief discussion of how students can help others learn how to reduce pollution.	School	SC.0.4.2.28 RLA.O.4.1.08	1 hour
	Watershed Education Initiative (Full, multi-visit program) What's your watershed address?! Through hands-on activities and interactive learning experiences in their own classroom AND an engaging field experience, students become aware of their impact on their own watershed and how THEY can protect it!	School	SC.O.4.1.09 SC.O.4.1.10 SC.0.4.1.11 SC.O.4.2.08 SC.O.4.2.09 SC.O.4.2.13 SC.O.4.2.15 SC.O.4.2.34 RLA.0.4.2.04 SS.0.04.04.01 SS.0.04.04.05	7, 1 hour sessions over 4 months, plus 3 hour field trip
	Watershed Education Initiative (Short, multi-visit program) What's your watershed address?! Through hands-on activities and interactive learning experiences in their own classroom, students learn about the water cycle, watersheds, erosion and its effect on streams and rivers, and food chains and webs. The shorter version does not include a field experience.	School	SC.O.4.1.09 SC.O.4.1.10 SC.0.4.1.11 SC.O.4.2.08 SC.O.4.2.09 SC.O.4.2.13	4, 1 hour sessions over 4-8 weeks

			SC.O.4.2.15 SC.O.4.2.34 RLA.0.4.2.04 SS.0.04.04.01 SS.0.04.04.05	
	What's A Watershed? Through experiments, models, and maps, students review the water cycle, learn the basics of a watershed, locate their school on a map, and connect their small scale watershed to the larger Chesapeake Bay watershed.	School	SC.0.4.2.13 <u>SS.O.04.04.05</u>	1 hour
5 th Grade	My Life As A Tree Students will understand tree structure, photosynthesis, and reproduction, and examine how trees provide for the needs of animals. (Special emphasis on trees native to West Virginia & Maryland.)	School	SC.O.5.2.02 SC.O.5.2.03 SC.O.5.2.05	1 hour
	Cycles in Nature A review of the water cycle, rock cycle, and the energy cycle are demonstrated using hands-on activities in the classroom. Additional activities focused on the soil cycle are added for visits to Yankauer Nature Preserve.	Yankauer School	SC.O.5.2.02 SC.O.5.2.08	2 hours (Y) 1.5 hours
	Five Minute Phenology (Under Development) An introduction to the cycles of nature, emphasizing ways to conduct investigations into seasonal changes. Using the scientific method, students will learn how to look around them, observe and track natural phenomena occurring from season to season, and to record these observations with citizen-science groups. (After a PVAS introduction and class training, teachers pursue this program on their own.)	School	SC.O.5.1.01 SC.O.5.1.06 SC.O.5.1.07 SC.O.5.1.08 SC.O.5.1.10 ELA.5.W.C10.3	1-3, 1 hour sessions over 8 months
6 th Grade	Five Minute Phenology (Under Development) An introduction to the cycles of nature, emphasizing ways to conduct investigations into seasonal changes. Using the scientific method, students will learn how to look around them, observe and track natural phenomena occurring from season to season, and to record these observations with citizen-science groups. (After a PVAS introduction and class training, teachers pursue this program on their own.)	School	SC.O.6.1.01 SC.O.6.1.06 SC.O.6.1.07 SC.O.6.1.08 SC.O.6.1.10 ELA.6.W.C10.3	1-3, 45 minute sessions over 8 months

