



13245 Mockingbird Lane  
Bowie, MD 20720  
(301) 860-1306  
[www.EchoesOfNature.net](http://www.EchoesOfNature.net)

# 2010-2011 Outreach Programs

Echoes Of Nature has school programs that are specially designed, Voluntary State Curriculum correlated presentations for a classroom or auditorium. The instructor introduces your class to natural science topics through the use of live animals, high interest demonstrations and biofacts. Echoes Of Nature is your in-house field trip. Participation of students is encouraged during each program.

If a special topic program is desired but not listed, please call and see if one can be designed to meet your needs. This may need to be done at least two weeks to two months in advance in order to fully design and prepare.

## Animal Sounds and Movement- Pre-K-K

What animal sounds can you make? Can you move like these animals? Meet some live animals and try out their sounds and movements.

## Animal Textures and Colors-Pre-K & K

Discover the amazing world of animal textures and colors. Be an animal detective and meet some live animals to figure out if the animals are rough or smooth. What colors are the animals? Do they have stripes or spots?

## As The Wheel Turns- Pre-K & K

Learning about lifecycles in class? Meet with some of our animal ambassadors and learn about their cycles. Help put the lifecycle wheels together for each ambassador.

## Ugh! A bug! (or is it Ooh, Cool!)- Pre-K & K

Discover the world of bugs. "Bugs" are everywhere. But what is a bug? Does it have 6 or 8 legs? Or more? Meet some "bugs" and use your detective skills to figure out if it is an insect or an arachnid.

## Animals of Maryland- Grade K

Meet some native live animals that can be found in Maryland. Learn basic differences between animal body coverings. Observe and touch certain animals.

## Bay BC's- Grade K

Explore the rich variety of life that fills our Chesapeake Bay. On our journey meet some animals that might be found here. Learn simple ways to protect the Bay's fragile environment.

## Journey Into Winter Pre-K-Grade 2

Winter is here. Where are the animals? How do they survive the cold, foodless winters? Some migrated. Some are dozing. Some are true hibernators. Meet some animals and find out where they would be during winter.

## Growing Up- Grade 1

Follow the life cycle of animals. See how they change during their lives. Compare and contrast the young with the adults.

## Animal Adaptations- Grades 1&2

Discover the special adaptations of animals in their survival for life. What is some of the best "equipment" for the job of living on land, air or water? {*Can focus on Camouflage!*}

## Got Habitat? - Grades 1&2

Maryland has a variety of habitats. Each habitat meets the basic needs of the animals and plants that live there. Meet some of our animal ambassadors and discover their requirements for food, shelter, water and space.

## Food Chain- Grade 2

Meet some living "links" in a food chain. Learn how each "link" depends upon the other surrounding animals and plants. "Build" a food chain and find out what happens if that food chain "breaks".

## What's Buggin' You?- Grades 2-3

Bugs, bugs everywhere. What are they good for? Compare, contrast and diagram insects and arachnids. Meet live representatives of these 2 groups.

## Life in the Chesapeake Bay Area- Grades 2-4- Lab Style

Compare/contrast life in freshwater and saltwater/brackish water through hands on items, microscopes, guides and animals.

**Length of Session:** approximately 45 minutes  
(Sessions for younger participants can be at 30 minutes. Ask about options.)

**Number of Students:** 60 maximum (except Pre-K & K: 45 maximum) and Lab Style at 30 maximum

**Fee:** \$140.00 for one program

\$120.00 per additional programs- same day  
\$25.00 driving fee for areas beyond 20 mile radius  
(PG & AA counties are within radius)



## Looking at Vertebrates- Grade 2&3 Lab Style

What is a vertebrate? Let's find out. Explore hands-on biofacts and artifacts that give clues to each group of vertebrates. Find out special characteristics or adaptations that are beneficial for each group. Which is the most diverse group of vertebrates? Meet live representations for most of the vertebrate groups.



## Dinosaurs- Grades 1&2 or 3&4

Discover up-to-date information about T-Rex, "Brontosaurus" and other dinosaur relatives. Touch "living fossils" and find out who might be a living descendent of these prehistoric creatures.



## Pond Life-Grade 3-4 Lab Style

Can't take the class to the pond? Have some of the pond and some of its inhabitants brought to your class! Meet some live macroscopic pond animals. Explore pond water/muck, find and identify interesting pond life.

## [Grades 3-8 continued on Back]

Please call or check the website ([www.EchoesOfNature.net](http://www.EchoesOfNature.net)) for any additional programs that may be available. If a program topic is not listed or not under your grade, please call to see if a program can be designed or modified for your class. We also do many extra-curricular activity programs. The number is (301) 860-1306. Thank you very much.

Echo Uzzo  
Education Coordinator



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## Animals In The Stars- Grades 3-4

Bring constellations to life through star stories and animals. Why do we have a history of star stories? How many constellations are there and what are asterisms?



## Web of Life- Grades 3&4

Solve the puzzle to reveal the basic concepts of photosynthesis and food webs. Meet some of the "links" and discover how they fit in the web of life.



## Earthworm Lab - Grades 3-4 Lab Style

Make hypotheses of how and why an earthworm will react to certain stimuli. Observe earthworms moving and take measurements. What are the benefits of having earthworms in your yard?



## Habitats of Maryland -Grades 3-4 Lab Style

Maryland has a variety of habitats. Each habitat meets the basic needs of the animals and plants that live there. Be habitat detectives and determine which habitat the animal ambassadors belong through clues to their requirements for food, shelter, water and space.



## Winter Survivors- Grades 3-4

What tactics do animals use to survive winter? Explore migration, hibernation and adaptation techniques. Focus on hazards of winter survival.



## Snakes!- Grade 5-8



Meet the misunderstood, but fascinating animal- the snake. Learn about the natural history of snakes with a special look at local venomous and nonvenomous species. Meet some nonvenomous snakes to help with the class.



## Skeletons- Grades 5-8

Leg bone connected to the hip bone...All animal skeletons are the same, right? Find out. Compare and contrast our skeleton with different animals. Great for preview or review of class materials.



## Animals & Their Biomes- Grade 6

Studying biomes? Add live animals into the mix and help students learn about the biomes, the animals and how animals are adapted to live in certain places and not others.



## Microscopic Pond Life Grades 6-8 Lab Style



You provide the microscopes. We provide the pond life. View and identify microscopic pond life. Hands on experience with microscope, living organisms and identification. (Some simple microscopes may be available, please inquire.)

## Careers with animals- Grades 6-8 Lab Style

Interested in a career that deals with nature, natural history, biology, animals or science in general? Not sure of some of the routes that you could take? Discover some of the different options available, ask questions and meet some animal ambassadors.



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## Chemistry of Plants & Animals Grades 7-8 Lab Style



Use common plant juices and household chemicals to determine ACID/BASE/NEUTRAL. Share live animals and some of their chemical based protections.



Do you have a program topic idea that would fit in with your classes? We would love to hear from you in order to give you and other teachers more options for outreach programs. Please drop us a line!



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