

## Your in-house field trip!

We offer in-person & virtual presentations that align with NGSS, State Curriculum, and Environmental Literacy standards. Our instructors introduce natural science topics using live animals, engaging demonstrations, and biofacts. Echoes Of Nature brings an academic field trip to your classroom, encouraging active student participation.

Programs can be customized for your classes and adapted for after-school sessions! If a topic isn't listed or suits a different grade, contact us to explore custom or modified options.

### General Information

**Session Length:** Approximately 45 minutes (30 minutes for younger participants)

**Number of Students:** Maximum of 60 (PreK-K: 45, Lab Style: 30)

#### Fees

- \$200 for one in-person program
- \$150 for live virtual program
- \$275 for recorded program

#### Discounts:

Available for multiple same-day programs

#### Driving Fee:

\$30.00-\$45.00 for areas beyond a 20-mile radius (PG and AA counties are within 20 miles)



### Animal Sounds and Movement **PRE-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**

Explore the amazing world of animal textures and colors. Be an animal detective and meet live animals to see if they are rough or smooth. What colors do they have? 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. What is a bug? Does it have 6 or 8 legs? Meet some "bugs" and figure out if it's an insect or an arachnid.



### Animals of Maryland **K** NGSS: K-ESS3-1

Meet native Maryland animals and learn about different animal body coverings. Observe and touch certain animals.



### Bay BC's **K** NGSS: K-ESS2-2, K-ESS3-3

Explore the rich variety of life that fills our Chesapeake Bay. On our journey learn simple ways to protect the Bay's fragile environment.



### Food Chain **K** NGSS: K-LS1-1

Meet living "links" in a food chain. Learn how each "link" depends on others. "Build" a food chain and discover what happens if the chain "breaks."



### Earthworm Lab **K LAB**

NGSS: K-ESS2-2, K-ESS3-3

Be a field researcher. Hypothesize how earthworms will react to stimuli. Observe them and learn their benefits as decomposers in your yard.



### Journey Into Winter **PRE-K K 1**

NGSS: 1-LS1-1

Winter is here. Where are the animals? Meet some & learn how they survive cold, foodless winters through migration or hibernation.



### Growing Up I **1** NGSS: 1-LS1-1, 1-LS1-2, 1-LS3-1

**Growing Up II **3** NGSS: 3-LS1-1, 3-LS2-1, 3-LS3-1**

Follow the life cycle of animals. See how they change during life. Compare young to adults and discover traits passed on to the young.



### Animal Communication & Sounds **1 LAB**

NGSS: 1-PS4-1, 1-PS4-4

How do animals talk? Explore different ways they communicate through sound, and hear what scientists believe is being said.



### Animal Adaptations **K 1** NGSS: 1-LS1-1

What features help animals survive? Find internal & external adaptations, comparing wild and captive behaviors. *Can focus on specific adaptations!*



### Animals In The Stars **1** NGSS: 1-ESS1-1

Bring constellations to life with stories & animals. Why do we have star stories? How many constellations and asterisms exist?



### Science Escape Rooms **ALL LAB**

*New! Check out our website for more information.*



**Got Habitat? 1 2** NGSS: 1-LS1-1, 2-LS4-1  
Maryland habitats meet the needs of local animals & plants. Learn how animals survive in habitats & meet our ambassadors.



**Pond Life 2 LAB** NGSS: 2-LS4-1  
Can't visit a pond? We'll bring the pond to you! Explore water and muck, meet live pond animals, and find fascinating pond life.



**What's Buggin' You? 2 3**  
Bugs bugs everywhere! What are they good for? Compare insects and arachnids, then meet live examples from both groups.



**Life in the Chesapeake Bay Area 2 3 LAB** NGSS: 2-LS4-1, 3-LS4-3  
Compare/contrast life in freshwater & saltwater/brackish water through hands-on items (biofacts, models), microscopes, guides, and live animals



**Dinosaurs and Living Fossils 2 3**  
NGSS: 2-LS2-2, 2-LS4-1, 3-LS4-1, 3-LS4-3, 3-LS4-4  
What can fossils reveal about ancient life? Discover extinction causes and meet living fossils from the past.



**Animals & Their Biome Ecosystems 3**  
NGSS: 3-LS4-3, 3-LS4-4  
Studying biomes? Add live animals to help students learn about biomes, animals, and their adaptations. What happens with environmental changes?



**Winter Survivors 3 4**  
NGSS: 3-LS4-3, 4-LS1-1  
"How do animals survive winter? Explore migration, hibernation, and adaptation techniques, focusing on winter's challenges.



**Habitats of Maryland 2 3 4 LAB**  
NGSS: 2-LS2-1, 2-LS2-2, 2-LS4-1, 3-LS3-2, 3-LS4-2, 4-LS1-1, 4-LS1-2  
Explore Maryland's habitats and match animal ambassadors to their needs for food, shelter, water, & space. Learn how structures support survival.



**Animal Adaptations II 3 4**  
NGSS: 3-LS3-2, 3-LS4-2, 4-LS1-1, 4-LS1-2  
Explore the internal/external features animals use to survive. Compare wild vs. captive behavior. *Can focus on specific adaptations!*



**Looking at Vertebrates 4 LAB**  
NGSS: 4-LS1-1  
What is a vertebrate? Explore biofacts and meet live representatives to learn about their characteristics and adaptations.



**Skeletons 4** NGSS: 4-LS1-1  
Are all animal skeletons alike? Compare human skeletons with those of other animals to review or preview class material.



**Web of Life 5** NGSS: 5-PS3-1, 5-LS1-1, 5-LS2-1  
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.



**Frog Math 4 5 6 7 LAB**  
How far can frogs jump? Measure, compare, and calculate while meeting live amphibians in this math-focused lab.



**Snakes! 6 7 8** NGSS: MS-LS4-2  
Meet misunderstood snakes, learn their history, and see how modern species reveal insights about the past.



**Earthquakes, Plate Tectonics, and Tsunamis 2 3 4 6 7 8 LAB**  
NGSS: 2-ESS1-1, 2-ESS2-1, 2-ESS2-2, 3-ESS2-1, 3-ESS2-2, 3-ESS3-1, 4-ESS1-1, 4-ESS2-2, MS-ESS2-1, MS-ESS2-2, MS-ESS3-2

What are plate tectonics? How do they move and cause hazards? Enjoy a classroom field trip with an edible Earth model and learn pourquoi legends.

*Note: Due to restrictions, the edible materials used are for demonstration only and cannot be consumed. Live animals may be presented if no food is being consumed.*



**Careers with Animals 6 7 8**  
NGSS: MS-LS1-4, MS-LS2-1, MS-LS2-2, MS-LS2-4, MS-LS2-5, MS-LS3-1, MS-LS3-2, MS-LS4-1, MS-LS4-2  
Interested in a nature or science career? Explore different paths, ask questions, and meet animal ambassadors.



**Microscopic Pond Life 6 7 8 LAB**  
We bring the pond life, you bring the microscopes. View and identify microscopic pond organisms with hands-on experience. *Some simple microscopes may be available, please inquire.*



**Chemistry of Plants & Animals 6 7 8 LAB** NGSS: MS-PS1-1  
Explore the magic of chemistry by testing acids, bases, and neutrals with plant juices and chemicals! Meet animal ambassadors and discover their chemical defenses. Uncover the secrets of reactions and formulas while having fun!

**Interested in getting started? Send us an email!**

EchoesOfNature@gmail.com

**Learn more:** [EchoesOfNature.org](http://EchoesOfNature.org)