

# Amphibian Lessons and Educational Activities at the Aquatic Resources Education Center (AREC)

## Metamorphosis

Students are guided through the process of amphibian metamorphosis using a story and an art project where a tadpole transforms right before their eyes! Egg masses and larval amphibians are on display seasonally.

*Audience: Pre-K - 2nd Grade*



## Fabulous Frogs

Learning takes literal leaps and bounds as students see how their own jump measures up to several local frog species. Students will gain knowledge about frogs and other amphibians through a story and close encounters with live animals.

*Audience: Pre-K - 2nd Grade*

## Amazing Adaptations: Amphibian Edition

Students compare amphibians to other animals through several interactive activities and learn about the unique adaptations and important roles of amphibians in the environment.

*Audience: 1st - 5th Grade*



## Sensational Skin

*Extension to EIE lesson "Just Passing Through: Designing Model Membranes"*

Amphibian skin holds a world of wonders, from possessing anti-microbial properties to allowing some salamanders to live without lungs! Students will practice science inquiry and investigate why amphibians can serve as indicators of environmental health.

*Audience: 1st - 5th Grade*

## Herpetologist for A Day

Students will explore the world of slithery, scaly, and slimy as they become specialized scientists that study amphibians and reptiles and learn how to recognize species local to the District.

*Audience: 4th - 8th Grade*



## Amphibian Advanced Inquiry

*New in 2016!*

Students are guided through a STEM-based investigation using local amphibian and wetland data in order to examine ecological impacts, mitigation, and conservation.

*Audience: 9th - 12th Grade*

## FrogWatch USA™ Citizen Science Program

*New in Spring 2016!*

Join volunteers across the United States in collecting important information about frog and toad populations using nocturnal call surveys. Participants will receive free training and access to resources, and learn how to submit and interpret the data they collect.

*Audience: General public; minimum age 10 with an adult*



## **AREC ADDRESS:**

**1900 Anacostia Drive, SE  
Washington, DC 20020**

## **ABOUT US:**

The Aquatic Resources Education Center (AREC) is a multi-use education and aquaculture center located in Anacostia Park in southeast Washington, DC. Opened in 2005, it is one of three facilities of its kind in the Northeastern United States. Fish and Wildlife Biologists with the Government of the District of Columbia, Department of Energy and Environment (DOEE) provide free facility tours and environmental education programs to students and the general public on a variety of topics including adaptations, amphibians & reptiles, angler education, ecology, environmental stewardship, fish biology, food webs, habitats, invasive species, water as an environment, wetlands, and watershed dynamics. The AREC presents a unique opportunity for visitors to experience close encounters with more than 40 species of fish, amphibians, reptiles, aquatic plants, and invertebrates that can be found in the wetlands, streams, and rivers of the District as well as in the Chesapeake Bay.

## **LEARN MORE & REQUEST A PROGRAM:**

[green.dc.gov/arec](http://green.dc.gov/arec)

[doee.arec@dc.gov](mailto:doee.arec@dc.gov)

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