



PROFESSIONAL DEVELOPMENT

at Virginia Aquarium & Marine Science Center

Summer 2020

COLORS IN NATURE (pre-K – 5th grade)

Wednesday, June 17th 9:00AM – 3:00PM | Virginia Aquarium, Classroom

Bring a packed lunch. Wear comfortable closed-toed shoes.

We live in a vibrant world filled with an endless array of color. In this teacher training we will explore properties of light and the biological, structural, and chemical sources of color found in nature. Educators will engage in hands-on activities and demonstrations related to how animals use color to communicate within and between species, as well as how different animals perceive color.

SEA TURTLE SCIENCE (3rd – 5th grade)

Wednesday, July 15th 9:00AM – 3:00PM | Virginia Aquarium, Promenade

Bring a packed lunch. Wear comfortable closed-toed shoes.

This teacher training focuses on the many types of turtles found in Virginia including freshwater turtles, land turtles, and sea turtles. We will provide instructions for hands-on activities to use in the Classroom, hear from our Stranding Response team about sea turtle strandings, and finish with a behind-the-scenes tour of the sea turtle exhibit and Marine Animal Care Center.

MARINE MAMMAL SCIENCE (3rd – 7th grade)

Wednesday, July 22nd 9:00AM – 3:00PM | Virginia Aquarium, Promenade

Bring a packed lunch. Wear comfortable closed-toed shoes.

This teacher training focuses on marine mammals found along the coast of Virginia. We will begin with an introduction to marine mammals and classroom activities that highlight their anatomy, feeding structures and adaptations. We will enhance teacher's knowledge of marine mammals by searching for dolphins on our research vessel, going behind the scenes with our harbor seals, and touring the Marine Animal Care Center.





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CLIMATE SCIENCE (6th– 12th grade)

Thursday, August 6th 9:00 – 3:00PM | Brock Environmental Center

Lunch provided.

This teacher training focuses on the difference between weather and climate, how our climate system works, how our climate is changing and its impacts, and student focused solutions. Teachers will enhance their knowledge of the climate system and impacts through various hands-on activities, group discussions, and demonstrations.

WETLANDS & WATERSHEDS (4th – 6th Grade)

Monday, August 24th 9:00AM – 3:00PM | Virginia Aquarium, Classroom

Bring a packed lunch. Wear comfortable closed-toed shoes.

This teacher training focuses on how watersheds work and what role wetlands play in keeping water clean. We will explore a saltmarsh looking at zonation patterns, identify plants and animals, and take measurements. Get a closer look at animals in the surrounding habitat by trawling off our research vessel. Test your water samples in our certified water quality lab and learn how to get your students involved in citizen science. We will finish the day with lab activities to use in the classroom that helps demonstrate concepts about watersheds and wetland characteristics.

CONSERVATION IN THE CLASSROOM (pre-K – 2nd grade)

Friday, September 4th 9:00AM – 3:00PM | Virginia Aquarium, Classroom

Bring a packed lunch. Wear comfortable closed-toed shoes.

Meet with researchers and scientists that are involved with conservation around the world and learn how the Virginia Aquarium is involved. We will provide lesson plans and ideas to incorporate conservation into your classroom with experiments, collecting and interpreting data, and conservation action. Your students will become better stewards of their resources and help protect habitats and animals.

REGISTRATION

There is no fee to participate in these workshops, but spaces are limited. Please register by emailing the School & Youth Program Specialist, Rachel Clark at rriesbec@virginiaaquarium.com with the following information: your name, school, grade level/subject you teach, and your summer contact phone number.

Professional development opportunities are generously underwritten by Bob & Leslie Fort.