

Education and Outreach



Photo: Claire Fackler, NOAA



Photo: Seaberry Nachbar, NOAA

NOAA Web Links

National Oceanic and Atmospheric Administration (NOAA) <http://www.noaa.gov/education>

This portal is designed to assist educators in accessing NOAA educational materials from one centralized interface. Materials selected for this site are organized by themes, topical collections, and content type that are aligned with common teaching topics and expressed needs of educators. All materials linked from this site are free for use and distribution unless expressly noted.

NOAA Ocean Service

<https://oceanservice.noaa.gov/education/>

The NOAA National Ocean Service (NOS) education website includes student activities, case studies, tutorials and lesson plans for education audiences of all ages. NOS education also provides formal lesson plans and classroom ideas that emphasize hands-on activities and problem-based learning using online data resources.

Games @ NOAA <https://games.noaa.gov/>

This arcade is a portal to games and interactive activities focused on ocean and air themes.

NOAA Office of National Marine Sanctuaries Education <https://sanctuaries.noaa.gov/education>

The NOAA Office of National Marine Sanctuaries aims to provide teachers with resources and training to support ocean and climate literacy in America's classrooms. You will find curriculum, lesson plans, and activities that will excite your students about science and technology.

Data in the Classroom

<https://dataintheclassroom.noaa.gov/>

Students use real-time ocean data to explore today's most pressing environmental issues, and develop problem-solving skills employed by scientists. Access online and classroom-ready curriculum activities with a scaled approach to learning and easy-to-use data exploration tools.

Virtual Reality <https://sanctuaries.noaa.gov/vr>

Immerse yourself in the ocean and your national marine sanctuaries without getting wet! These virtual reality voyages use 360-degree images to highlight the amazing habitats, animals, and cultural resources you can find in each national marine sanctuary.



Photo: Claire Fackler, NOAA



Photo: Julie Bursek, NOAA



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Ocean Guardian Programs http://sanctuaries.noaa.gov/education/ocean_guardian_prog.html

The purpose of the NOAA National Marine Sanctuaries Ocean Guardian Programs are to encourage children to explore their natural surroundings to form a sense of personal connection to the ocean and/or watersheds in which they live. Find out about the Ocean Guardian Kids Club, download the Ocean Guardian Activity Book, or become an Ocean Guardian School or Classroom.

NOAA Ocean Today Video

<https://oceantoday.noaa.gov/every-full-moon/>

Ocean Today is a multimedia kiosk that features videos on all aspects of the ocean realm -- exploration and discoveries, marine life and science. Ocean Today kiosks are now located in dozens of aquariums, museums, and learning centers throughout the world.

NOAA National Marine Sanctuaries Photos

<https://www.flickr.com/photos/onms/>

There is a collection of National Marine Sanctuary System photos available in Flickr.

NOAA Undergraduate and Graduate Student Scholarships <http://www.noaa.gov/students>

NOAA offers many scholarships, internships, fellowships and post docs for undergraduate and graduate students.

National Marine Sanctuaries Webinar Series

<https://sanctuaries.noaa.gov/education/teachers/webinar-series.html>

This webinar series will provide educators with educational and scientific expertise, resources, and training to support ocean and climate literacy in the classroom.

Earth is Blue

<https://sanctuaries.noaa.gov/earthisblue.html>

Earth Is Blue is a campaign to raise awareness about the National Marine Sanctuary System. The photos and videos of Earth Is Blue bring these ocean treasures directly to smartphones and computers all over the world, where they can serve as a tangible reminder that no matter where you are, the ocean and Great Lakes are in your hands.

Bay Watershed Education and Training (B-WET)

<https://www.noaa.gov/office-education/bwet>

B-WET grants provide funding support for student investigation of environmental topics and related professional development for educators. The B-WET program currently serves seven geographic areas of the country: California, Chesapeake Bay, Great Lakes, Gulf of Mexico, Hawai'i, New England, and the Pacific Northwest.

<https://sanctuaries.noaa.gov/education>