



Top to bottom: The NOAA Ship *Okeanos Explorer*: America's Ship for Ocean Exploration; Bathymetric image of a crater located on the eastern ridge off Maro Reef; the Control Room aboard the *Okeanos Explorer*; a jellyfish, genus *Crossota*, seen in the Marianas Trench Marine National Monument at a depth of around 3,700 meters; NOAA OER's new ROV, *Deep Discoverer*. All images courtesy NOAA.



**Ocean Exploration
and Research**

Exploring the Deep Ocean with NOAA

Professional Development for Educators of Grades 6-12

Saturday, October 28, 2017

8:00 am - 4:00 pm

In Partnership with and Hosted by
Seattle Aquarium

1483 Alaskan Way, Pier 59, Seattle, Washington 98101

All life on Earth relies on the ocean— yet, the ocean is 95 percent unexplored, unknown and unseen by human eyes...

An essential component of the National Oceanic and Atmospheric Administration's (NOAA's) Office of Ocean Exploration and Research (OER) mission is to enhance ocean science literacy and enhance understanding why it is important to explore our little-known ocean world. To help fulfill this mission, the *NOAA Ship Okeanos Explorer Education Materials Collection* was developed to encourage educators and their students to become engaged with expeditions and discoveries made by the NOAA Ship *Okeanos Explorer*—America's first Federal ship dedicated to ocean exploration.

Educators are invited join NOAA OER staff to learn more about the importance of ocean exploration and the current technologies used to explore the deep ocean. This 7-hour Professional Development will introduce standards-based, hands-on activities and other online resources that guide classroom teaching and learning. Ocean health, unique underwater habitats, underwater mapping and remotely-operated vehicles are just a few of the topics to be addressed.

Registration is required and space is limited. Educators will receive the *NOAA Ship Okeanos Explorer Education Materials Collection Volume 1: Why Do We Explore?* and *Volume 2: How Do We Explore?*, additional resources, a NOAA Ocean Exploration Certificate of Participation, continental breakfast, lunch, free parking and a \$50 stipend will be provided. Teachers will earn 7 clock hours for attending this workshop.

Lessons are designed for grades 6-12 but many activities can be scaled to suit educator needs.

If you have previously participated in a Why Do We Explore? or How Do We Explore? Professional Development, this offering will be redundant.

Registration Deadline is October 7, 2017

To register, visit Seattleaquarium.org/teacher-resources

For more information, contact Dan Newburn at d.newburn@seattleaquarium.org or 206-693-6101

oceanexplorer.noaa.gov