



Top to bottom: The NOAA Ship *Okeanos Explorer*: America's Ship for Ocean Exploration; composite multibeam image of Tom's Canyon Complex; the control room aboard the *Okeanos Explorer*; prepping the CTD rosette; NOAA OER's new ROV, *Deep Discoverer*. All images courtesy NOAA.



National Oceanic and Atmospheric Administration (NOAA)
Office of Ocean Exploration and Research
oceanexplorer.noaa.gov

NOAA Ship *Okeanos Explorer* Education Materials Collection

How Do We Explore?

Professional Development

for Educators of Grades 5-12

Saturday, October 25, 2014

8:00 am - 4:00 pm

In partnership with URI Inner Space Center
(www.innerspacecenter.org)
and hosted by URI Graduate School of Oceanography,
Coastal Institute Building, Hazard Room
Narragansett, Rhode Island

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

This professional development introduces educators to the *Okeanos Explorer Education Materials Collection*, Volume 2: How Do We Explore? Using the NOAA Ship of exploration *Okeanos Explorer* as the platform, participants will be guided through lessons targeting innovative modern ocean exploration strategies and the sophisticated instrumentation and equipment used to explore our largely unknown world ocean. Lesson topics include how targets are selected for exploration, mapping techniques, water column exploration, remotely operated vehicles and telepresence technology that enables access to real time ocean exploration. Participants will learn how to use lessons to assist in meeting performance expectations of the Next Generation Science Standards with an eye on science as practice and the principles of engineering design. A tour of the University of Rhode Island's Inner Space Center where ship to shore communication operations take place will be included in the day.

Pre-registration is required and space is limited. Each participant will receive unique take-home materials, a NOAA Ocean Exploration Certificate of Participation, a continental breakfast, and lunch.

Please register by October 3, 2014, or call to see if space is still available.

To register:
Visit <http://bit.ly/1oSwUAM>

Questions? Call Andrea Gingras, 401-874-6524 or email agingras@mail.uri.edu