

Okeanos Explorer Education Materials Collection

The Education Vision for the *Okeanos Explorer* is that this is the ship upon which learners of all ages embark together on scientific voyages of exploration to poorly-known or unexplored areas of the global ocean to participate in innovative ways as ocean explorers in breakthrough discoveries that lead to increased scientific understanding and enhanced literacy about our ocean world.

To help fulfill this vision, the *Okeanos Explorer* Education Materials Collection is being developed to encourage educators, students, and citizen scientists to become personally involved with the voyages and discoveries of America's first Federal ship dedicated to Ocean Exploration.

Lesson plans in the Collection focus on three themes:

“Why Do We Explore?” (reasons for ocean exploration);

“How Do We Explore?” (exploration methods); and

“What Do We Expect to Find?” (recent discoveries that give us clues about what we may find in Earth's largely unknown ocean).

For each of these themes, a Leader's Guide for Classroom Explorers provides background information, links to resources, and an overview of recommended lesson plans. In addition, an Initial Inquiry Lesson for each of the three themes leads student inquiries that provide an overview of key topics. A series of lessons for each theme guide student investigations that explore these topics in greater depth. In the future, additional guides will be to the Education Materials Collection to support the involvement of citizen scientists.

To access the Leader's guides and lessons, visit

<http://oceanexplorer.noaa.gov/okeanos/edu/welcome.html>

Additionally, online teacher professional development will be offered around each of these themes.

OE Online Professional Development

“Why Do We Explore” Online Teacher Workshop

Date: October 5 – 16, 2009

Join us for another exciting online workshop about ocean exploration! This is the second workshop in a series of teacher professional development opportunities focused around NOAA’s new ship, the *Okeanos Explorer*. Scientific keynote presenters and education facilitators will work with participants to delve into the benefits of ocean exploration targeting climate change, energy, human health and ocean health. Interact with scientists, converse and share classroom applications with other educators, and find a wealth of multimedia resources. We will introduce the first in a series of Leader’s Guides for Classroom Explorers Why Do We Explore? with associated exploration lessons and hands-on activities.

Keynote Presenter 1: Dr. Edith Widder, HBOI

Other Keynote presenters TBA

The workshop is free for all participants and will be available 24 hours a day, 7 days a week. Educators will have the option to receive graduate credit (fee for the credit) or obtain a certificate of completion. More details about these options later.

To register please visit www.coexploration/oe/

OE Onsite Workshops at Alliance Partner Sites

August 22, 2009, Tennessee Aquarium, Chattanooga, Tennessee

Learning Ocean Science through Ocean Exploration

Introductory Professional Development Workshop for Teachers

Contact George Bartnik for information: gpb@tennis.org or (423) 785-4049

Deadline: August 7, 2009

September 19, 2009, Georgia Aquarium, Atlanta, Georgia

Learning Ocean Science through Ocean Exploration

Introductory Professional Development Workshop for Teachers

Contact Kim Morris-Zarneke for information: kzarneke@georgiaaquarium.org

or (404) 581-4192

Deadline: September 4, 2009

September 26, 2009, University of South Florida College of Marine Science,
St. Petersburg, Florida

Learning Ocean Science through Ocean Exploration

Introductory Professional Development Workshop for Teachers

Contact Teresa Greely for information:

greely@marine.usf.edu or (727) 510-4131

Deadline: September 11, 2009

September 26, 2009, Dauphin Island Sea Lab, Dauphin Island, Alabama
Learning Ocean Science through Ocean Exploration
Introductory Professional Development Workshop for Teachers
Contact Denise Keaton for information: dkeaton@disl.org or (251) 861-7515
Deadline: September 11, 2009

October 17, 2009, New England Aquarium, Boston, Massachusetts
Learning Ocean Science through Ocean Exploration
Introductory Professional Development Workshop for Teachers
Contact Jayshree Oberoi for information:
joberoi@neaq.org or (617) 973-6590
Deadline: October 2, 2009

October 24, 2009, National Aquarium in Baltimore, Maryland
Learning Ocean Science through Ocean Exploration
Follow Up Professional Development Workshop for Teachers
Contact Joe Harber for information: jharber@aqua.org or (410) 659-4272
Deadline: October 9, 2009

November 7, 2009, Hatfield Marine Science Center, Oregon
Learning Ocean Science through Ocean Exploration
Introductory Professional Development Workshop for Teachers
Contact Tracy Crews for information:
tracy.crews@oregonstate.edu or 541-867-0329
Deadline: October 23, 2009

November 14, 2009, John G. Shedd Aquarium, Chicago, Illinois
Learning Ocean Science through Ocean Exploration
Introductory Professional Development Workshop for Teachers
Contact Amy Christiansen for information:
AChristian@sheddaquarium.org or (312) 692-3165
Deadline: October 30, 2009

December 12, 2009, Aquarium of the Pacific, Los Angeles, California
Learning Ocean Science through Ocean Exploration
Introductory Professional Development Institute for Teachers
Contact Alie Lebeau for information:
alebeau@lbaop.org or (562) 951-1631
Deadline: November 23, 2009

December 12, 2009, South Carolina Aquarium, Charleston, South Carolina
Learning Ocean Science through Ocean Exploration
Introductory Professional Development Workshop for Teachers
Contact Brian Thill for information:
BThill@scaquarium.org or (843) 579-8546
Deadline: November 23, 2009