



center for microbial oceanography: research and education  
**C-MORE** **SCIENCE KITS**

# Teacher Workshops

Wednesday, February 4 • For grades 8-12 teachers

## ***Ocean Color Remote Sensing***

Satellite images of ocean color and water sampling allow us to study populations of phytoplankton. Students will use both methods to investigate the distribution and abundance of phytoplankton and to learn about environmental factors that may enhance the formation of algal blooms.

Wednesday, February 11 • For grades 8-12 teachers

## ***Exploring the Ocean with Real-time Data***

Variations in the physical and chemical properties of seawater can influence the type of organisms that inhabit a particular region of the ocean. Join us in the collection of real-time data in Kāneʻohe Bay, and to learn how to graph and interpret real-time oceanographic data from the web.

Wednesday, February 18 • For grades 8-12 teachers

## ***Marine Debris***

Plastics are forever! Plastic is cheap, durable, and versatile, but it's also long-lasting. Students will learn about how our use of plastics on land affects marine environments thousands of miles from shore.

Wednesday, February 25 • For grades 6-12 teachers

## ***Ocean Acidification***

Emissions of carbon dioxide from fossil fuel burning is changing the chemistry of the world's oceans and threatening marine ecosystems. Students will explore how the oceans and atmosphere are linked, and they will learn about the fate of coral reefs and other calcifying organisms in the ocean.

For more information about Science Kits, check out our website at [cmore.soest.hawaii.edu/education/teachers/science\\_kits.htm](http://cmore.soest.hawaii.edu/education/teachers/science_kits.htm)

**C-MORE Science Kits** offer lesson plans and materials for hands-on science activities in a self-contained format. All lessons are aligned with HCPS standards. These kits are **FREE**, easy to use, and are a great resource for your classroom!



Collecting real-time data in Kāneʻohe Bay.

All workshops are **FREE**. Most will be held at the Univ. of Hawaiʻi at Mānoa campus from 4:15 to 7 pm; "Exploring the Ocean with Realtime Data" on Feb. 11 will be at Coconut Island from 1:30 to 5:30 pm.

Limited travel funds are available for public school teachers from the neighbor islands. **Space is limited.** To register for a workshop, email your name, institution and grades/subjects taught to Dr. Kate Achilles at [kate.achilles@soest.hawaii.edu](mailto:kate.achilles@soest.hawaii.edu)