

CBIBS INSIDE & OUT

Using the Chesapeake Bay Interpretive Buoy System (CBIBS)
for class and field instruction

Teacher Professional Development Institute & Student Water Monitoring Project Virginia Institute of Marine Science Gloucester Point, VA 26-29 June 2007

Want to boost the relevance and immediacy of your ocean science lessons? Real-time data from ocean observing systems in the Chesapeake Bay and beyond will put you on the crest of this technological wave!

Science teachers from the Chesapeake Bay watershed are invited to join a unique new network of teachers, scientists, and students for a two-year project tapping the educational potential of CBIBS (Chesapeake Bay Interpretive Buoy System).

Virginia Institute of Marine Science (VIMS) researchers and VIMS/Virginia Sea Grant educators are teaming up with the NOAA Chesapeake Bay Program, Chesapeake Bay National Estuarine Research Reserve in Virginia, Old Dominion University, and the Chesapeake Bay Observing System to offer this field, classroom and laboratory professional development opportunity. We cover coastal ocean observing systems, real-time data, and classroom integration strategies. Teachers take home information, multimedia resources, and classroom activities, as well as the equipment and knowledge to conduct a monitoring project with their students.

Registration is limited to sixteen science teachers, grades 9-12. For more information, contact Chris Petrone at petrone@vims.edu (804-684-7175) or visit the project website at www.vims.edu/k-12/cbibs.

Institute highlights

- Information sessions on coastal ocean observing systems
- Observing system field work aboard a VIMS research vessel
- Hands-on laboratories
- Monitoring equipment for classroom use
- Training and support for classroom implementation
- Class and field activities correlated with Virginia Standards of Learning

Sponsors

- Virginia Sea Grant Marine Advisory Program at the Virginia Institute of Marine Science
- The Bridge Ocean Education Website (www.marine-ed.org/bridge)
- Chesapeake Bay National Estuarine Research Reserve in Virginia
- NOAA Chesapeake Bay Office Bay Watershed Education & Training (B-WET) program. (pending funding)

\$15 registration fee covers

- Four-day workshop, water monitoring project supplies
- Classroom activities and resources
- Workshop lunches and snacks



Water Monitoring Project

Participating teachers and their students monitor a local waterway through the 2007 and 2008 school years by:

- Collecting and analyzing data using equipment provided by the project
- Sharing and comparing data among participating classes via the project website
- Using and interpreting relevant CBIBS data

Teachers receive travel support for Institutes and instruction, equipment and supplies, including GPS, refractometer, secchi disk, data loggers and digital pH and conductivity meters. Participating scientists provide follow up technical assistance throughout the project.

Participating teachers should be prepared to:

- Arrange for access to a suitable water monitoring site
- Complete both the four-day Institute in 2007 and a second Institute in 2008
- Conduct student water monitoring projects in both 2007 and 2008



Register by 31 May 2007.

Please make checks (\$15) payable to:
Virginia Institute of Marine Science

Mail your registration form and check to:
Chris Petrone
VIMS
P.O. Box 1346
Gloucester Point, VA 23062

CBIBS Institute & Monitoring Project Registration

Name _____
School _____
Subject(s) & Grade(s) You Teach _____
Work Address _____
City _____ State _____ Zip _____
Phone _____ Fax _____
Home Address _____
City _____ State _____ Zip _____
Phone _____
Email _____

