

HAMPTON ROADS BOAT PROGRAM

Departs from selected locations in southeastern Virginia



The Chesapeake Bay Foundation's Hampton Roads Boat Program offers students a floating classroom to explore local waterways and deepen their knowledge of the Chesapeake Bay. Embarking from various tidewater locations aboard the *Bea Hayman Clark*, participants explore rivers and tributaries, sample aquatic life, and perform simple water quality tests. They learn about the effects of human activities on the estuary, local ecosystem health, and system dynamics.

CBF's one-day, hands-on field curricula are tailored to suit group dynamics, available time, and weather conditions. Our activities are designed to correlate to the Virginia SOLs, to help teachers get the most out of our trips. Our goal is to actively engage students and promote higher order thinking skills for problem solving.

Beginning in the spring of 2008, CBF will equip our boat programs with state of the art water quality monitoring equipment. This will allow groups to instantaneously generate data including pH, temperature, dissolved oxygen, salinity, chlorophyll, and other indicators to build a complete picture of the health of the river. Participants can then compare their findings to the data of professional Bay scientists via on-board wireless laptops.

PROGRAM CONCEPTS

Here are some concepts and grade-specific activities that may be emphasized during your CBF field trip. The staff of the Hampton Roads Education Program will work with you prior to your visit in order to ensure that your experiences complement your classroom curriculum.

- Estuarine food chain
- Fisheries management
- Oyster reef ecology
- Conservation behaviors
- Crab potting
- Sedimentation, eutrophication
- Livelihoods on the Bay
- Mapping skills
- Water quality testing
- Oyster dredging
- Point source/ non-point source pollution
- Salt marsh characteristics
- Watershed dynamics
- Trawling for fish

SAMPLE TRIP ITINERARY

Times and activities are subject to change.

9:00-9:30 Safety Talk/Introductions
 9:30-10:15 Underway Activity
 10:15-11:00 Maps
 11:00-11:45 Water Quality Testing
 11:45-12:15 Lunch
 12:15-1:00 Crab Pots

1:00-2:00 Oyster Dredging
 2:00-3:00 Trawling and Wrap Up
 4:00 Return to Dock

For grades 4 and up
 Maximum capacity: 25 students or 18 adults
 To schedule, call
 CBF's Education Coordinator: 410/268-8816



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