Onboard Oceanography: The science beneath the surface of Kachemak Bay

This field trip provides an educational opportunity for students to conduct boat-based field research while learning scientific principles and developing problem-solving skills. This unique five-hour excursion in Kachemak Bay is designed to increase awareness and understanding of coastal and marine ecosystems through interactive, hands-on data collection.

Stations Include:

- **Water Sampling** to examine salinity, temperature and depth
- **Plankton Tows** followed by slide preparation and microscope observation
- **Mariculture** experience with a visit to the Jakalof Bay Oyster Company farm
- **Remote Operated Vehicle (ROV)** for exploring shallow subtidal habitats
- **Ocean Acidification** as a threat to Kachemak Bay’s biodiversity

Prior to the trip, the Center for Alaskan Coastal Studies will perform classroom visits to provide a conceptual background for enhanced engagement and understanding of topics introduced during the program. Recommended for grades (4th-11th). $100

For more information or to register contact Seth Spencer, 907-235-6714, at the Center for Alaskan Coastal Studies or email [seth@akcoastalstudies.org](mailto:seth@akcoastalstudies.org)