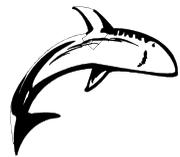


JUMP IN AND GET YOUR FEET WET!

The Hawaiian Islands Humpback Whale National Marine Sanctuary promotes hands-on, experience-based learning about our marine environment and resources. Curriculum varies from one time topic-specific learning activities to more in-depth marine monitoring programs.

We can cater to your curricular needs! Our material is DOE standard-based and a fun and exciting way to introduce students to the marine environment.

All activities are FREE; you simply have to get here. Call or email Alastair Hebard to schedule your class today at alastair.hebard@noaa.gov (808) 879-2818



Classes and Activities

Limu! Algae and our Reefs

Have you ever noticed all the algae that washes up on shore? Come learn about our native and invasive limu. Learn about the ecological importance of limu on our reefs as well as how to sort, identify, and press different species.



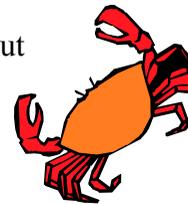
Limu Research

Participate in an ongoing research project by helping to quantify how much limu washes up on our reefs. Learn about the scientific method through active field sampling.



The Intertidal Zone

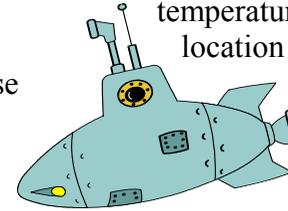
Feeling crabby? Can't come out of your shell? Then we have the perfect activity. Come get your feet wet and experience one of the hardest



places to survive in the marine environment. Students will learn about the intertidal community and measure and record the change along the tidal gradient. Learn to identify a variety of marine creatures and how to use quadrats and transect methodology to explore the environment.

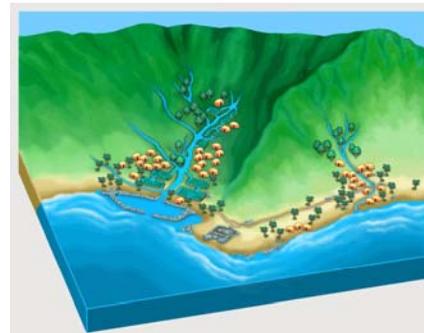
B-Wet Monitoring and Underwater Exploration.

School rules got you down? Can't get in the water on a field trip? No worries! Get underwater virtually with the help of our B-wet radio-controlled boats. Explore the reef, check the temperature, and map your location with the help of these high tech boats, equipped with video, GPS and other monitoring equipment. Learn how to identify marine life and habitat and collect data on the physical environment all without getting wet. (pre- and post-curriculum available).



Exploring a Hawaiian Fishpond

Learn about the cultural significance of fishponds in Hawai'i and how they tie into the traditional *ahupua'a* or ancient land divisions. The Kō'ie'ie Loko I'a is being restored by hand, rock by rock. Come check it out.



Sand Dune Studies

Students will study the significance of sand dunes and shoreline processes. Students will conduct a beach profiling experiment.

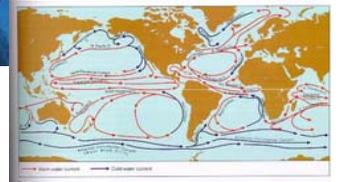
Assessing the Pond

Help us monitor our changing fishpond wall in or out of the water. Explore the inside of the fishpond with masks and snorkel or with the help of our B-Wet boats.

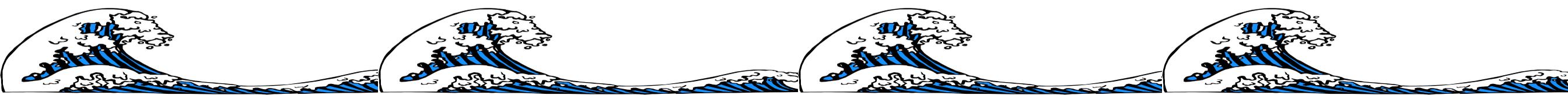


Marine Debris and Ocean Currents

We are talking trash, and lots of it. Find out about the growing world-wide problem of marine debris.



Topics can include oceanography, currents, effects on wildlife, problem solving, analysis of debris, and more.



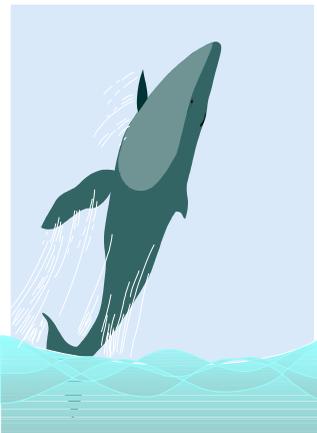
Water Quality

How clean is the water that you are swimming in? Let's find out. Learn what the different parameters of water quality monitoring are and how to measure them. We will look at pH, temperature, salinity, dissolved oxygen, turbidity, and test for bacteria. Pick one site or compare two different sites. It's your turn to help make sure Maui's waters are clean.



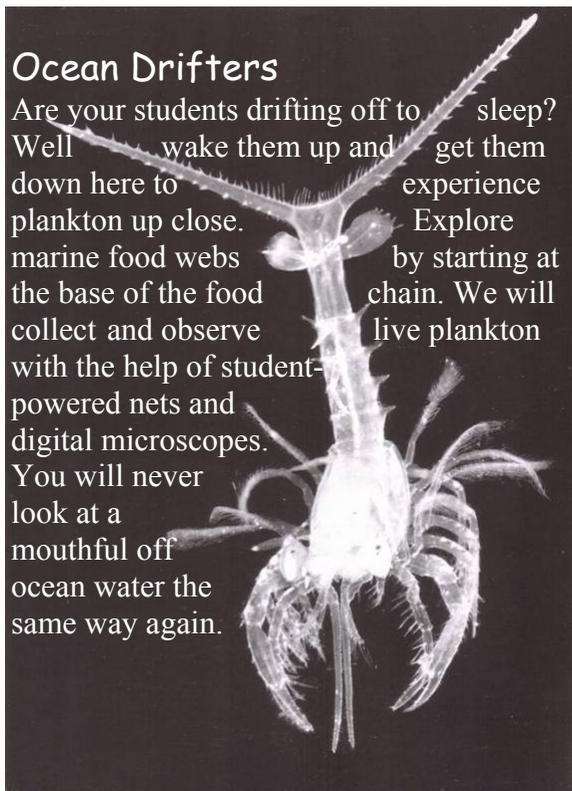
45 Tons of Stuff about Whales

Whales, whales, and more whales! We have so much stuff on whales it barely fits in our education center. From behavior, to feeding, to life cycle, to the most current research that is happening. Learn it all through engaging classroom sessions and activities. During the whale season borrow some binoculars and watch the whales from our porch and identify the behaviors in real life. Learn to draw a life size whale in our parking lot and much more.



Ocean Drifters

Are your students drifting off to sleep? Well wake them up and get them down here to experience plankton up close. Explore marine food webs by starting at the base of the food chain. We will collect and observe live plankton with the help of student-powered nets and digital microscopes. You will never look at a mouthful of ocean water the same way again.



Wetlands in Hawai'i

Hawai'i's landscape is constantly changing. Come and find out why our remaining wetlands are so important as we explore the plant, bird, and aquatic life that is found in our native wetlands.



The Hawaiian Islands Humpback Whale National Marine Sanctuary's Education Center is open to the public Monday through Friday from 10:00 a.m. to 3:00 p.m.

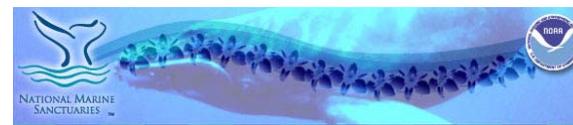
It is free!

School group sessions are scheduled by appointment. Contact Alastair Hebard alastair.hebard@noaa.gov or Jerry Stowell at 879-2818 to reserve your date today!



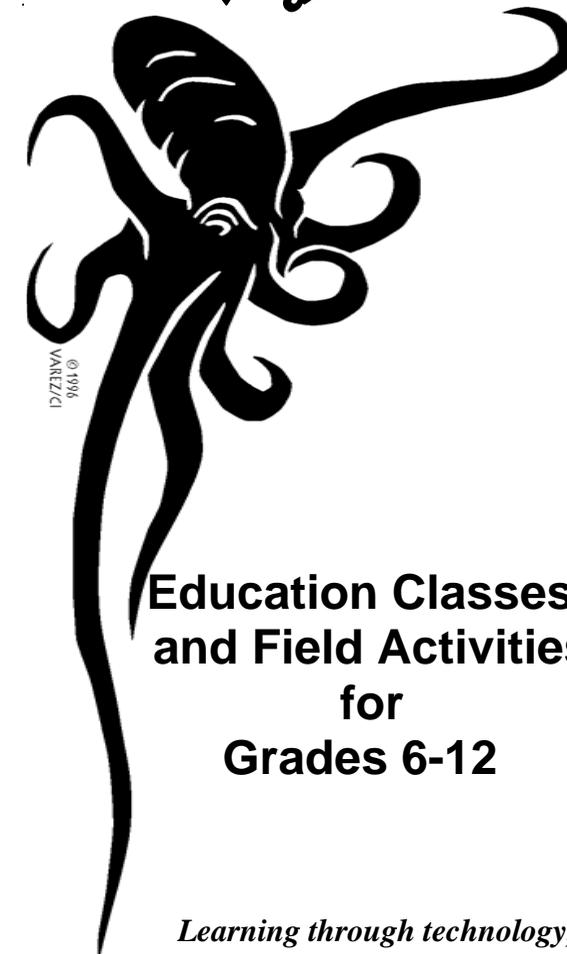
726 S. Kihei Road
Kihei Hawai'i 96753

(808) 879-2818 phone
(808) 874-3815 Fax



<http://hawaiihumpbackwhale.noaa.gov>

All Classes are free!



Education Classes and Field Activities for Grades 6-12

Learning through technology, experience, and exploration of the marine world

