

Hawaiian Islands Humpback Whale National Marine Sanctuary School & Field Activities

Hawaiian Islands Humpback Whale National Marine Sanctuary

The Hawaiian Islands Humpback Whale National Marine Sanctuary promotes hands on, experience-based marine education. Classes include a variety of activities, lectures, creative hands-on activities and in-the-field experiences. Each visit will feature a whale activity and one or two other topics. Teachers may request topics other than those listed in their grade levels.

GRADES 1-2

BIG Whale Tails

How big is a humpback whale?
Students will learn about the whales through movement, games and crafts.

Turtle Tales

Students will learn about the anatomy of the turtle as they make a special turtle model. Students will play a game that leads them through the life cycle of a turtle.



GRADE 3

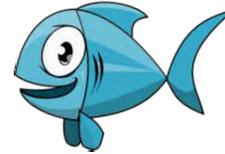
Building Wally the Whale

Students will learn about the behavior and anatomy of humpback whales as they work as a team to build a whale.



What Kind of Fish Would You Be?

Why do fish look like they do? Build a fish to learn about the different adaptations that help them survive life in the ocean.

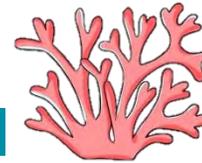


Coral Reef Critters

How are reef critters classified? Students will compare mollusks, echinoderms, crustaceans and create a coral reef.

Scavenger Hunt

What's on the beach?



GRADE 4

Whales to Scale

Students will examine humpback whale biology and behaviors. Learn about humpbacks using proportions and basic math as they build a humpback whale.

Water Quality Testing

Students will conduct tests on the salinity, pH, dissolved oxygen, nitrates and phosphates of the ocean water and pond water.



Coral Reef Ecosystems

Students will participate in hands-on activities to learn about corals and what make up a coral reef. They will take a look at "who" lives in a coral reef, and adaptations that help them survive.

GRADE 5/6

Life and Times of the Whales

Students will learn unique facts about the humpback whales as they learn to draw one to scale.

Marine Debris

Students will examine marine debris and the impact on marine life. They will dissect a bolus from an albatross and participate in a whale disentanglement activity.

Intertidal Scouts!

Explore the inter-tidal by participating in a hands-on study of the intertidal. Students will get their feet wet as they conduct monitoring activities on the fishpond wall.

What is a Coral?

Is a coral a plant an animal or a rock? Make an edible coral polyp, learn how they feed and how the polyp becomes a coral colony. Students will also create a coral reef ecosystem.

Water Quality Testing

Students will conduct tests on the salinity, pH, dissolved oxygen, nitrates and phosphates of the ocean water and pond water.

GRADES 7-12

What Are You Studying?

Sanctuary staff will try to coordinate activities to compliment what you are focusing on in the classroom. Any of the topics for the above grade levels can be adapted to your students.

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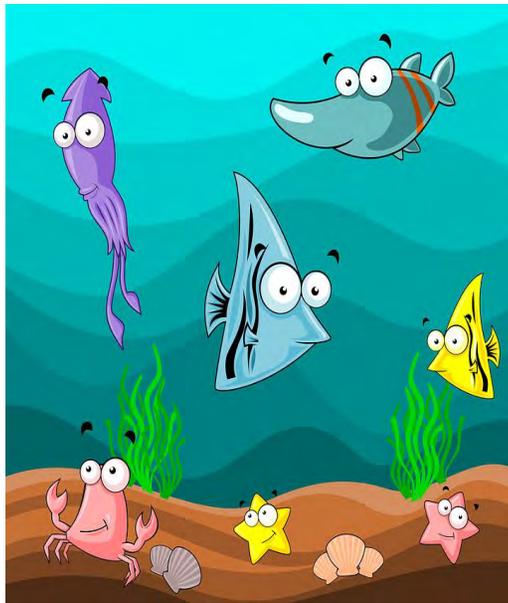
Water Quality Testing

Students will conduct tests on the salinity, pH, dissolved oxygen, nitrates and phosphates of the ocean water and pond water.

**FREE Education Classes
and Field Activities for
Grades K-12**

**To Schedule a Class Visit,
contact:**

**Patty.miller@noaa.gov
808-879-2818**



*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's free!*



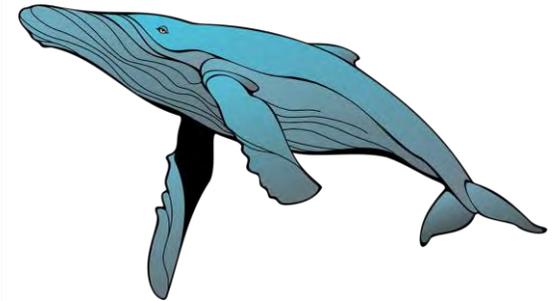
Hawaiian Islands Humpback Whale
National Marine Sanctuary
726 S. Kihei Road
Kihei, HI 96753

**Patty.miller@noaa.gov
808-879-2818**

<http://hawaiihumpbackwhale.noaa.gov>

**Hawaiian Islands
Humpback Whale
National
Marine Sanctuary**

**Educational Classes and
Field
Activities for Grades K-12**



**Learning through Technology,
Experience and Exploration of
the Marine World.**

