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 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.

**GRADE 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.

**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.

**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

Educational Classes and Field Activities for Grades K-12

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