

# Malama Wai Ola Program

## Marine Coastal Monitoring Grades 6-8

- Students will be given a pretest at the beginning of the classroom visit and a posttest will be given after the last visit. The posttest is to be completed in class or as homework and returned to us.
- Lesson's one and two will be performed in one classroom session.
- A maximum of 25 students may participate in this lesson

**Lesson One:** A Power Point presentation introducing the instructors and the Malama Wai Ola program. The presentation will go over the definition of what a transect is and the importance of monitoring. It will also show an example of a marine reserve and how performing transects and other research in these ecosystems assist in making decisions to keep reserves protected. Open up a discussion on other ways transects can be used.

**Lesson Two:** Sweet Treats transect lines. An assortment of candy will be laid out on the classroom floor for the students to learn how to lay a transect line to take a sample from a large population. After performing the transects, students will create graphs, by hand, showing their results.

**Lesson Three:** Students will team up to do research on tidepools to determine what they would like to sample during the site visit.

NOTE: All sampling ideas need to be approved by an instructor.

### **Hualalai Site Visit**

Based on the tide we will plan a visit to the tidepools at Hualalai where we will be taking samples. The students will need to be on their best behaviors! The students will also need to bring tabis or other appropriate footwear for tidepooling and clothes that may get wet.

### **Hawaii Content & Performance Standards III**

The standards bellow are the benchmarks that this lesson will hit within HCPS III

#### **Sixth Grade**

- SC.6.1.1
- SC.6.1.2
- SC.6.2.1

#### **Seventh Grade**

- SC.7.1.1
- SC.7.1.2
- SC.7.1.3
- SC.7.2.1

- SC.7.3.2
- SC.7.3.3.
- SC.7.5.4

Eighth Grade

- SC.8.1.1
- SC.8.1.2
- SC.8.2.2
- SC.8.5.1