

Mālama Wai Ola Program

Marine Coastal Monitoring Grades 6-8

- No more than 25 student may participate
- 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.

Lesson One: A Power Point presentation introducing the instructors and the *Mālama Wai Ola Program*. The presentation will go over the definition of what a transect is and the importance of monitoring. It will also show examples of marine reserves and how performing transects in these ecosystems help keep the 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 lie 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

Hualālai Site Visit

Based on the tide we will plan a visit to the tidepools at Hualālai 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.