

# Malama Wai Ola Program

## Wetlands and Watersheds Grades 4-6

- Students will be given a pretest at the beginning of the classroom visit and a posttest will be given after the last visit to be completed in class or as homework and returned to us.
- These lessons may be performed all at once or separated into multiple visits depending on how much in-class time is available.
- The students will be given a set of vocabulary words to look over and define before lesson one.
- Limit of 50 students

**Lesson One:** Power Point Presentation introducing students to the instructors, the Malama Wai Ola Program, watersheds, wetlands and anchialine pools. Students will understand why it is important to take care of a watershed and all the places that depend on clean water and a balanced ecosystem. They will be asked to explain what they can do to prevent watersheds from becoming contaminated.

**Lesson Two:** Hands-on project using a shower curtain, spray bottles, sponges, food coloring and watershed part labels to create their very own watershed. Students will label the different parts of the watershed and will be asked to make predictions about what will happen to the watershed in multiple scenarios. After building and labeling the watershed the students get a chance to test their predictions by adding rain (with the spray bottles) to the watershed to see where it goes and where possible contamination could occur. Finally the students will look at pictures (on power point) and will be asked to answer a few questions to test their knowledge on watersheds. We may modify this lesson to worksheets if that works better in your classroom.

### Hualalai Site Visit

Hualalai Resort is located in a watershed and is the last stop before the rainwater reaches the ocean. We will take a half hour tour of a few of our anchialine pools and a wetland. While on the tour the students will complete an observation worksheet that will be handed out before we start the tour. The students will use this worksheet to take notice of the different plants and animal life. We will go over their works sheets together and name the plants and animals that they have drawn. At the end of the tour we will play a game called gimmie gimmie. The group will be split into two, a runner will be appointed (to bring the cards up) in each group and a set of identical cards will be given to both groups. The instructor will ask for something mentioned during the tour or an animal that we've seen and the students will then have the chance to search through the cards and bring forward the card that was asked for base on what they can remember.

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

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

#### Fourth Grade

- SC.4.1.1
- SC.4.2.1
- SC.4.5.2
- SC.4.5.3
- SC.4.8.1

#### Fifth Grade

- SC.5.1.2
- SC.5.2.1

#### Sixth Grade

- SC.6.1.1
- SC.6.2.1