

Lab Assistant: A Nice Neighborhood

Teacher Edition

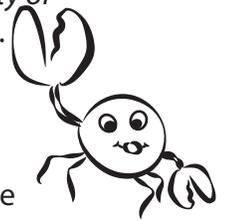
NGSS Core Objective: (Biology 2-LS4-1) Make Observations of plants and animals to compare the diversity of life in different habitats. Emphasis is on the the diversity of living things in a variety of habitats. This lab focuses on exploring the biodiversity living on small rocks in tide pools.

Lab Preparation:



1. Gather Lab Materials:

- 1 Koa crate "Holes in The Rocks" with beach rocks for each child to explore
- 1 Maggie Magnifying Glass per child (In the Kea Crate)
- 1 lab sheet per child (POCKETPets cut and color cards from webpage)



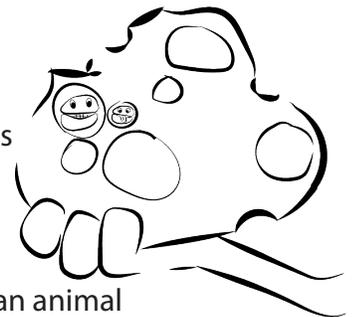
Running the Lab Activity:

1. Introduce the lab talking about habitats and share story "Maggie's Trip to the Beach"
2. Show in class video "A Nice Neighborhood" which will set the scene for the student's hands on lab.
3. Provide students with one rock, one magnifying glass, and one POCKETPet card page.
4. Allow students to have 30 minutes of uninterrupted (but guided) observation time.

Create an environment for students to learn to observe. Foster each student's curiosity and discovery as they explore the rock samples. Allow students to have a collaborative environment to talk and share their excitement and discuss their findings with each other. Remind them that as scientists they need to be careful not to break the animal homes so students in the future can also find animal homes on the rocks.

Student Lab Objectives:

The student lab objective is to observe rock samples to discover animal homes of the different marine species that once lived on the rocks. Students should be able to find remnants of many species homes in the class rock sample set.



Students can cut and color the POCKETPet creature cards when they identify an animal home on their sample and match it with a card. An identification guide with color pictures is posted on the webpage for teacher and student reference during the lab if needed. It is recommended to show the identification guide on your smart board to help students identify the homes.

