



# Environmental Volunteers

Innovative environmental science education that improves student learning

Dear Teacher,

This document is designed to help you select the EV learning stations, or kits, that will best support the science education you are planning in your classroom. Please review this document in preparation for your conversation with our Lead EV who will be organizing your service.

## **Class Size and Kit Selection**

If you have 24 or fewer students you will have 3 learning stations. If you have 25 to 32 students you will have 4 stations. This allows us to keep the group sizes small (8 or fewer).

## **Kit Packages**

If you are unfamiliar with our learning stations, we have put together a few suggested combinations. These are just suggestions. You are absolutely welcome to create your own combinations.

### Package 1: Adaptations to Habitats

Introduction: Bay Banner

Stations: Bird Utensils, Camouflage, Bay Plants, Fish

### Package 2: Functioning Ecosystem

Introduction: Bay Maps

Stations: Wetlands in a Pan, Bay Plants, Photosynthesis, Bay Mud

### Package 3: Species Exploration

Introduction: Salty Puppet or Bay Banner (Pick 1)

Stations: Bird Study Skins, Fish, Bay Plants,

+1 Station if needed: Food Web Finger Puppets, Camouflage, Bird Utensils (Pick 1)

### Package 4: Food Chains and Relationships

Introduction: Food Web Finger Puppets

Stations: Bird Utensils, Bay Mud, Bird Study Skins, Bay Plants.

**ENVIRONMENTAL VOLUNTEERS LEARNING ACTIVITY  
MATRIX FOR BAYLANDS ECOLOGY**

Title	Grades	Description
Bird Utensils	1-4	Game utilizing spoons, tweezers, chopsticks, etc., which represent types of shorebird beaks. Marbles, washers, toothpicks, etc., represent different types of food.
Bay Banner	1-6	Students learn about the 4 areas of the baylands and how plants and animals are adapted to live in those areas.
Food Web Finger Puppets	1-4	Construct a food web using yarn and finger puppets to teach about food chains and webs.
Salty Puppet	1-3	Students learn about Salty the Salt Marsh Harvest Mouse an endangered species in the baylands.
Bay Plants	1-6	Students learn about plant species in a salt marsh and how they are adapted to this unique environment.
Fish Study	1-6	Students learn about fish and their different features that make them adapted to live in our bay.
Bay Mud	1-6	Students explore a scoop of bay mud and discover how it is filled with living things.
Bay Maps	1-6	Students learn how our bay was formed and that while it is called a bay, it is really an estuary.
Bird Study Skins	1-6	Students explore a variety of bird species that are native to the baylands habitat

**APPROPRIATE MULTI-PURPOSE LEARNING ACTIVITIES.**

The EV has several learning activities that are applicable to many of our subject areas. The following is a list of the kit(s) you may want to use with Baylands Ecology.

Camouflage	K-2	Students play a variety of games that show how camouflage can help an animal hide.
Photosynthesis Machine	5-6	Students operate a machine to demonstrate how a plant produces sugar and oxygen from carbon dioxide, water, and light during photosynthesis.
Wetlands in a pan	4-6	Students build a model wetlands and discover the importance wetlands have in keeping our environment healthy.