



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: Janesam, or Tide Pool Banner (Pick 1-the other will be a station)
Stations: Janesam or Tide Pool Banner, Kelp
+1-2 Stations as needed: Marine Mammals, Marine Mammal Skulls, Tides, or Squid (counts as two stations) (Pick 1-2)

Package 2: Anatomical Adaptations

Introduction: Tide Pool Banner
Stations: Squid (counts as two stations), Marine Mammal Skulls, Marine Mammals

Package 3: Non-living Components of the Marine Habitat

Introduction: Salinity, Temperature, and Currents
Stations: Loathsome Litter, Beach Combing, Explore the Ocean Floor, Tides

Package 4: Human Impact on Marine Ecology

Introduction: Salinity, Temperature, and Currents
Stations: Oil Spill, Loathsome Litter.
+1-2 Stations as needed: Kelp, Tide Pool Banner, Beach Combing (Pick 1-2)

ENVIRONMENTAL VOLUNTEERS LEARNING ACTIVITY MATRIX FOR MARINE ECOLOGY

Title	Grades	Description
Janesam	3-4	Tide pool creatures use a wide variety of adaptations to survive in the tide pool habitat. Students learn about all of these adaptations with Janesam, an imaginary creature that uses them all!
Marine Mammals	3-6	Students learn about how marine mammals are like other mammals and yet uniquely adapted to living in a marine environment.
Tide pooling Banner	3-6	Students learn about a variety of tide pool creatures and how they are adapted to live in different areas of the intertidal zone.
Loathsome Litter	3-6	Student learn how long it take trash to break down in the ocean and why it is so important to be sure our trash and recycling ends up in the right places.
Marine Mammal Skulls	3-6	Students learn about the unique adaptations of the marine mammals by exploring the features of their skulls.
Oil Spill	3-6	Students learn about the cool technology as well as the extreme difficulty associated with cleaning up oil spills.
Kelp	3-6	Students explore the wide variety of uses of kelp and its important role in the marine ecosystem.
Beach Combing	4-6	Students learn how every beach is different, and the sand can tell you a lot about how the beach was formed.
Explore the Ocean Floor	3-6	Students learn how we map the ocean floor and use that information to learn more about this dynamic environment.
Tides	3-6	Students learn how the sun and the moon play key roles in creating the tides.
Salinity, Temperatures, and Currents	3-6	Students learn how salinity and temperature can effect the currents in the ocean
Squid Dissection	3-6	Students dissect a squid and learn more about its anatomy. Due to the amount of content, this counts as two kits.