



# 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, the water kits fit best into the science standards for either 1<sup>st</sup>-2<sup>nd</sup> grade or 5<sup>th</sup> grade. As such many of our activities are developed to be specific to those grades. If you teach a different grade, we are happy to work with you to make sure we are bringing the activities that best support what you are doing in your classroom. The following are suggestions for a selection of kits that would best reach these two age groups. You are absolutely welcome to create your own combinations to fit your own class needs.

### Package 1: 1<sup>st</sup>-2<sup>nd</sup> Grades Water Exploration

Introduction: Water Ruler/Toss Globe

Stations: What is Water, Water is Wet, Water in Food, Travels with Water

Other Station Options: Water Cycle-Primary, How Much Water Does it Take, Water Density.

### Package 2: 5<sup>th</sup> Grade Chemistry of Water

Introduction: Water Ruler/Toss Globe

Stations: What is Water, Water Skin, Water Density

+1 Station if needed: Water Cycle-Advanced, Travels with Water, Ground Water, Wetlands in a Pan (Pick 1)

### Package 3: 5<sup>th</sup> Grade Water in Our Daily Lives

Introduction: California Water Story

Stations: How Much Water Does it Take, Ground Water, Wetlands in a Pan

+1 Station if needed: Water Cycle-Advanced, Travels with Water, What is Water (Pick 1)

**ENVIRONMENTAL VOLUNTEERS LEARNING ACTIVITY  
MATRIX FOR WATER SCIENCE AND CONSERVATION**

Title	Grades	Description
California Water Story	4-5	Students learn the history of water in California, where our water comes from, and why it continues to be a concern today.
Ground Water	4-5	Students use an interactive model to learn about ground water and how we can influence the quality of water in the ground.
How Much Water Does it Take	1-5	Students explore how much water they use in their daily activities and learn what they can do to reduce their water usage. This activity has increased complexity for older grades.
Travels with Water	1-5	Students play a game to follow a drop of water through the water cycle. The game has two versions appropriate for different grade levels.
Water Cycle Advanced	4-5	Explore how water moves around our environment, including how our daily activities interact with the water supply and affect our supply of fresh water.
Water Cycle Primary	1-2	Explore how water moves around our environment, particularly looking at how water changes from a solid, to a liquid, and a gas as it goes.
Water Density	1-5	Students perform a series of demonstrations that highlight the concept of density.
Water in Food	1-2	Students explore different foods and learn which ones have water in them and which do not.
Water is Wet	1-2	Students learn about the properties of water that makes things wet.
Water Ruler/Toss Globe	1-5	These introductory activities show students how much water is on Earth and how little of it is usable fresh water.
Water Skin	4-5	Students learn about cohesion, the water property that creates surface tension.
What is Water	1-5	Students explore the three different states of water.

**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 Water Science and Conservation.

Wetlands in a pan	4-6	Students build a model wetlands and discover the importance wetlands have in keeping our environment healthy.
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