

Local Resources Web Sites

Eel River Recovery Project: www.eelriverrecovery.org

We help citizens monitor the ecological conditions in the **Eel River** in Northern California and promote restoration and best practices.

Come to our Web site to see amazing videos, photos, and information about our work on the Eel River and our emphasis on water, salmon, and community organizing.



KRIS PROJECT : <https://www.krisweb.com/>

<https://www.krisweb.com/backintr.htm>

These pages are designed to supply basic information about fish, water quality and watershed dynamics to aid in understanding the contents of the KRIS projects.

Friends of the Van Duzen River: www.fovd.org

We are dedicated to educating our local community on issues regarding maintaining a healthy watershed, to preserving the salmon run, and to training young scientists.

Come to our Web site to find a resource guide for students, parents, and teachers developed during the pandemic, pictures and information regarding our environmental grants, and movies of salmon spawning and turtles swimming.

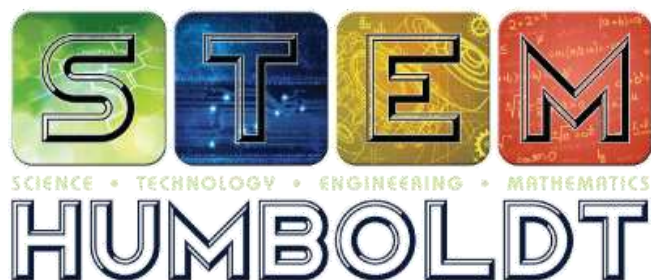


Greenwood Schoolhouse : www.greenwoodschoolhouse.org

Take distance learning outside! We are seeing “school at home” as an opportunity to use the outdoors as our classroom. Let us use whatever speck or expanse of nature we have available as our own learning labs.

Come to our Web site: We are parents, science teachers, and environmental literacy specialists sharing ideas for doing just that. We can do this!

COMPILED BY MICHAEL KAUFMAN ENVIRONMENTAL COACH HCOE



Watershed – Climate Connection

<https://stem.hcoe.net/curriculum/6-8/watershed-climate-connection/>

Comparing Global Climate & Local Streams

This 6th-8th grade curriculum looks at the watershed – climate connection by comparing global climate & local streams.

<https://stem.hcoe.net/curriculum/6-8/color-me-a-watershed/>

Color Me A Watershed

Watershed (6-8) Module Overview

<https://stem.hcoe.net/curriculum/9-12/klamath-trinity-watershed/>

Health of the Klamath-Trinity Watershed

Healthy waters, Healthy lands, Healthy communities. How to determine the if the river system is healthy. A High School STEM lesson.

STATE Resources

Water Quality Control Board www.waterboards.ca.gov

California Dept of Fish and Wildlife www.wildlife.gov

Watershed Stewards www.ccc.ca.gov

<https://ccc.ca.gov/what-we-do/conservation-programs/watershed-stewards-program/>

- WSP Corpsmembers teach the Wonders of Watersheds (WOW!) Education Series at your school. WOW! is a series of six one-hour interactive lessons pertaining to watersheds, the water cycle, salmonids, stream health, habitat, and water conservation and stewardship. The series helps K-8 students in Title I schools gain a better understanding of their local watershed.
 - WSP Corpsmembers lead field trips, teach a single classroom lesson, lead educational games, and organize service-learning opportunities for schools, after-school clubs, or community groups.
 - WSP Corpsmembers help with volunteer days and other outreach events. Corpsmembers can lead activities, present fish dissections, and engage audiences of all ages.
 - WSP Corpsmembers help you get involved with your watershed. WSP Corpsmembers organize hands-on volunteer events in their service communities. [Visit WSP's Facebook page](#) for information about upcoming volunteer opportunities.
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- 1455 Sandy Prairie Court. Suite C
 - Fortuna, CA 95540
 - O: (707) 725-8601 C: (310) 351-5079



A program of the California Conservation Corps, the Watershed Stewards Program in partnership with AmeriCorps (WSP) is one of the most productive programs for future employment in natural resources. WSP is administered by California Volunteers, the Office of the Governor and sponsored by the Corporation for National and Community Service and the California Department of Fish and Wildlife.

California Dept of Water Resources <https://water.ca.gov/What-We-Do/Education/Education-Materials>

K-12 Education Materials : We offer a variety of free educational materials including worksheets, activity books, posters, videos, and curriculum guides to classroom teachers, homeschoolers, and non-formal educators.

Many materials are available both in hard copy and electronically. If you are ordering large quantities, for example a class set, please download and review the item before placing your order. Teachers from the same school are encouraged to combine orders to save on shipping and handling.

California's Amazing Water: A K-12 Water Education Program (2018)

DVD containing seven videos to help teach your students about the water cycle, water conservation, climate change, water safety, and fisheries management. A data CD provides ideas for guided discussion and other activities for before, during, or after watching the videos.

Recommended Grade Levels: K-12

Videos can also be streamed from our [YouTube Channel](#).

Title	Grades	Stream	Video Guide
Water We Do, It's Up to Me and You (Abridged)	(Grades K-3)	STREAM	PDF
Water, Who Needs It?	(Grades 2-5)	STREAM	PDF
The Water Cycle	(Grades 4-6)	STREAM	PDF
Feather River Fish Hatchery	(Grades 3-8)	STREAM	PDF
Skinner Fish Facility	(Grades 5-12)	STREAM	PDF
Meeting the Challenge: The California State Water Project	(Grades 6-12)	STREAM	PDF
Climate of Change (School Cut)	(Grades 9-12)	STREAM	PDF

Planet Protector Academy : <https://planetprotectoracademy.com/>

For Teachers **SPECIALIZING IN GRADES 3-6th**

For Parents – Live Webcasts for children 6-11

HOW IT WORKS

- ★ 4-6 weekly pre-planned modules, at your own pace
- ★ Led by a website projected at the front of the class
- ★ Students do fun and engaging activities for points



A MISSION FOR WATER



THE WATER PROJECT

[HTTPS://THEWATERPROJECT.ORG/RESOURCES/LESSON-PLANS/](https://thewaterproject.org/resources/lesson-plans/)

Teaching Tools & Resources - All About Water

Our [Water Crisis Lesson Plans](#), for grades K-12, are packed with engaging lesson for students. Written by a certified teacher with a busy professional in mind, we're sure you'll find the activities useful out-of-the-box or as a great head start.

THE WATER CRISIS - LESSON PLANS FOR ALL GRADES

We're excited to introduce our comprehensive Water Crisis Lesson Plans for teachers in elementary through high school.

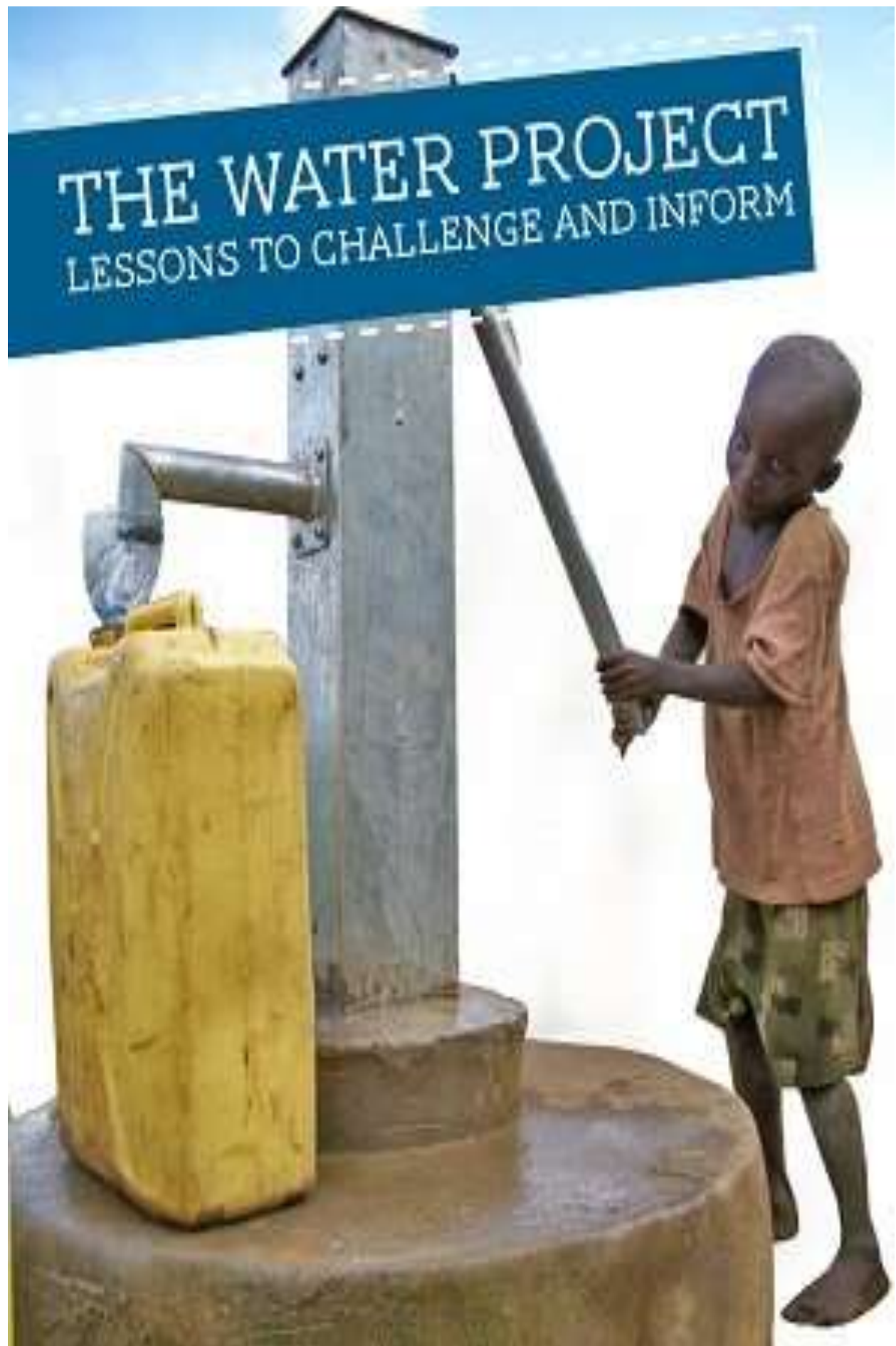
This teacher's guide can be used as a whole or easily as individual lesson plans across a variety of core subjects.

You'll find interactive activities, worksheets, research ideas and resource lists for you and your students. Together you'll discover the water crisis and, most importantly, some of the solutions to solve it for people in need.

Whether you're teaching on international issues, social studies, earth sciences or writing, we think you'll find this guide a useful tool in helping your students explore the most foundational issue facing the developing world today.

THE WATER PROJECT

LESSONS TO CHALLENGE AND INFORM



WATER FACTS

1. 71% of the earth's surface is covered by water
2. 29% of the earth surface is covered by land (continents and islands)
3. 96.5% of the earth's water is contained in the oceans
4. 96.5 % of the earth's water contains salt.
5. 3.5 % of the earth's water is in freshwater rivers, lakes, and frozen water locked up in glacier in the poles.
6. 69% of our freshwater is locked up in ice
7. 30% of our freshwater is underground

Freshwater

1. Polar Ice Caps and Glaciers
2. Aquifers and Wells
3. Lakes and Rivers
4. Floating in the air as cloud and water vapor
5. Locked up in plants and animals

Only about 0.3% of our fresh water is found in the surface water of lakes, rivers, and swamps.

Of all the water on Earth, more than 99% of Earth's water is unusable by humans.

Pacific Ocean Facts

1. The Pacific Ocean covers 59 million square miles.
2. The Pacific Ocean contains more than half of the free water on Earth.
3. It is so big that all of the world's continents could fit into the Pacific Basin
4. The Pacific Ocean covers 28-30% of the Earth's surface.
5. The Pacific Ocean provides almost half of the Earth's water area.

PACIFIC means peaceful, coming from the Latin "pace" for peace. It got its name from the Portuguese explorer Ferdinand Magellan in 1521 who called its waters "mar pacifica" which means peaceful sea.



Gaining a Better Understanding of Water Resources

Water Experiment

- 1. One gallon represents all the water on Earth. Show the gallon of water.**
- 2. Pour 1/3 of a cup into a glass container. This represents all the freshwater on the Earth.**
- 3. Pour ¼ cup out : water is frozen, glaciers**
- 4. Take table spoon : Water deep underground. Can't get to it.**
- 5. Take table spoon : polluted**
- 6. Eye Dropper : Fill remaining water, Measure it**
- 7. Squirt It: This is all the freshwater we have. Lets learn to conserve it and protect it.**