

LVUSD Science Team Water Education Program



**Las Virgenes
Schools**

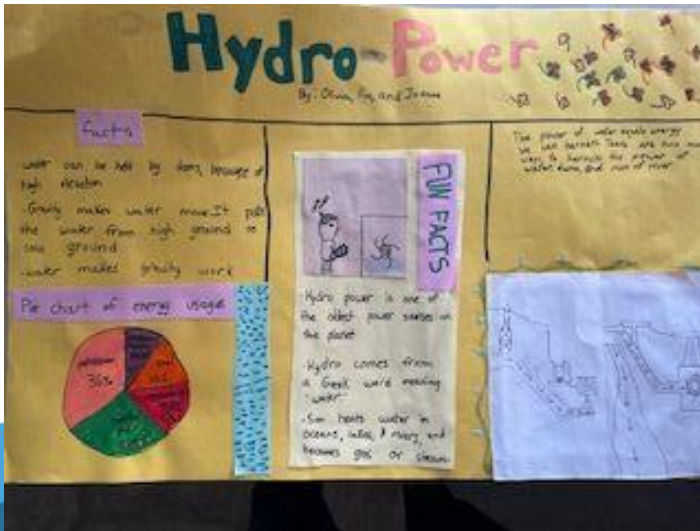
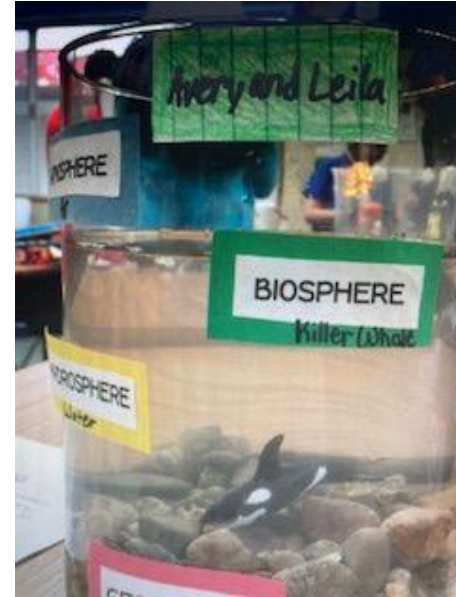
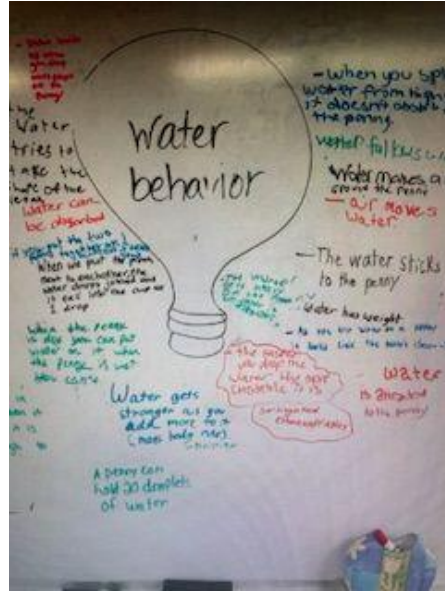


Objectives

To provide early education on water; its significance to life, the environment, and its hidden uses.

To highlight water as a precious resource, understand how the LVMWD provides water to the community, and learn what students and families can do to conserve water at home





4th Grade

[Where Does Our Water Come From?](#)

[Follow Little Drop](#)

Every Drop Counts

California Aqueduct

Backward Map

Watershed

Hydroelectric Power/Clean Energy (Samples provided)

[Weathering & the Effects of Water Erosion](#)

[Introduce Water Conservation](#)

Water reuse / conservation

[Human impact: Water & our future](#)

5th Grade

[The Four Spheres](#) (multiple domains covered below)

Interaction of the 4 spheres

Recognizing Water as a limited resource

Water Cycle

Water in the ecosystem

[The Distribution of Fresh Water & Salt Water](#)

[Graphing Water Distribution](#)

[Parts of the watershed](#) [River Run simulation](#)

[Water filtration](#) (conservation)

Recognizing Water as a limited resource

[Extension: Design a Water Tower \(Long Walk to Water- Core Lit in 5th grade\)](#)

Water Awareness Contest : Facilitated through classroom teachers k-5

Water Appreciation (Poetry & literary work samples)

[Earth Week](#) (K-6 classroom teachers)

Water Education

Agenda

Discussion and watch and learn

Water Cycle

GoNoodle Get up and Dance

Why is it raining?

Discover Water/Conserve Water

Los Angeles Aqueduct -Discuss

QUIZZIZ

Assignment

REMINDER: Go to Classwork. Make certain you do not have any missing assignments.



Grade 4

Where Does Our Water Come From?



The Water Cycle

All the water on our planet is part of the water cycle. Watch the videos below to learn more!



The Journey Our Water Takes!

You saw in the water cycle videos that when it rains, water can collect in rivers, streams and lakes, eventually making its way back to the ocean.

Discuss: Does it rain very much where we live? Are there any lakes nearby? Where do we get our water?



Ways to Conserve Water

Since our water travels so far to reach us, it is important that we don't waste it. Discuss: How can you help to conserve (save) water?

Click on the links to visit websites to play games to help you learn how to conserve water.



Grade 5

The Four Spheres of Earth & the Importance of Water



Develop a model using an example to describe a scientific principle.

A system can be described in terms of its components and their interactions.

What happens when we don't get enough Water?

Did you know that the water from your tap traveled over 400 miles to get to you.



Take a look at the Journey of a Drop of Water. Go to the Las Virgenes Municipal Water District by clicking on the link below.

5-ESS2-1.D

On the website, click on the link to learn more about each step. Do not click on any other links.

[Follow Little Drop on his journey.](#)

What Can We Do to Save Our Water?

- Now you know how difficult and energy consuming it is to bring water to our homes, you can see why it is important that we don't waste our water.
- How can you reduce the amount of water you use, and make sure you are not wasting water?
- Play the games below to give you some ideas!



Optional Extension Science: Water

1. Create a poster to show why it is important to conserve (water). Use a sheet of plain paper to make a poster, or use a Google Slide.



Experiment by following the instructions in either one of the videos.



Experiences

The **Las Virgenes Municipal Water District** is responsible for supplying clean water to our homes. They use the water from the aqueducts and clean and purify it so it is safe for us to use. If there was a drought or an earthquake and we could not use the water from the aqueducts, there is a store of water that could be used in the **Las Virgenes Reservoir**.



The **Las Virgenes Municipal Water District** also own Tapia Water Reclamation Facility. You will visit Tapia in 5th Grade!

Tapia is a filtration plant. Filtration plants remove particles and contaminants from dirty water produced in our homes. Tapia uses live organisms, oxygen and chlorine to recycle the water.

The recycled water is **not safe** to drink, but is used to water parks, golf courses and areas alongside roads.

Recycled water from Tapia is carried in **purple pipes!**



Thank you
for your
continued support!



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