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Clackamas River Water Providers Water Videos and DVDs

All About the Water Cycle

Grades: K - 4th

DVD Length: 23 minutes, Schlessinger Media (2005)

Includes Teacher's Guide and Investigation Datasheets

Description: Discover the amazing process by which the Earth's water supply has been recycled over millions of years, centering on three stages: evaporation, condensation, and precipitation. Follow the trail that water takes after it falls from the skies, and learn what steps scientists are taking to protect the Earth's water supply from the dangers of pollution.

Water - Water's Cycle

Grades: 4-8

DVD Length: 20 minutes, Schlessinger Media (2003)

Includes Teacher's Guide

Description: See the water cycle in action! From evaporation to condensation to precipitation, water changes form as it circulates. This fascinating program features helpful diagrams and interesting footage that brings to light the many factors that play a role in the water cycle.

Our Water Cycle

Grades: 4th - 6th

DVD Length: 11:30 minutes, AWWA (2004)

Description: All living things on earth need water, so why don't we run out of water? Fourth, fifth, and sixth graders learn all about how the earth recycles its water over and over in this video.

The Magic School Bus "Catches a Wave"

Ages 3- 8 years

DVD Length: 80 minutes

Scholastic (2005)

Description: Dive into three refreshing episodes with Mrs. Frizzle and the magic School Bus. The Friz takes her class on a rainy ride through the life cycle of a water drop (Wet All Over), on the rough and tumble journey of a boulder subject to water erosion (Rocks And Rolls), and on a bubbly trip to the bottom of Walkerville Lake (Ups And Downs)

Water to the Last Drop

Grades: 4th – adult

DVD Length: 52 minutes, Discovery Channel (2006)

Includes Teacher's Guide

Description: This Discovery Channel video travels to Canada, the United States, Mexico and the Middle East to study the natural history of water and to investigate the latest technologies used to make the water we do have safe.

The Hydrologic Cycle: Water in Motion

Grades: 3rd – adult

DVD Length: 20 minutes, Scott Resources (1993)

Description: This excellent live action video and computer graphics, gives an understanding of how water moves through the hydrologic cycle. Discover how natural events affect evaporation, condensation, precipitation, runoff, and storage. With increasing demand for usable fresh water, learn why the use and misuse of this precious earth resource is a global environmental concern.

Science Court Water Cycle

Grades: 3rd – 5th

Online only: 23 minutes, Tom Snyder Productions (1997)

Online: <https://www.youtube.com/watch?v=OVPhCNHTdfA>

Includes Teacher's Guide

Description: Students learn about scientific concepts and sound methods through a combination of courtroom drama, animation, and humor. Through demonstration and experiments, kids will learn about the water cycle, condensation, evaporation, and states of matter.

Down the Drain

Grades: 3rd – 7th

Online only: 30 minutes

Online: <https://www.youtube.com/watch?v=bvTVP6D5vWw>

In this video from the Children's Television Workshop, teenage host Stephanie Yu examines the science behind water: the water cycle, the properties of water, water conservation, wastewater treatment, and water quality testing.

Blue Gold - World Water Wars

Grades: High school adult

DVD Length: 90 minutes, Purple Turtle Films (2008)

Online: <https://vimeo.com/208683543>

Description: This Award winning documentary sheds light on the world's rapidly approaching water crisis and suggest that wars of the future will be fought over water, as they are today over oil, as the source of all life enter the global marketplace and political arena.

Modern Marvels: Water

Grades: 6th to adult

DVD length: 50 minutes, The History channel (2006)

Online: <https://www.youtube.com/watch?v=7Qq3HKbYEw>

Description: Can new technology coax rain from the skies to help save drought-starved nations? Water so powerful it can carve our landscape, yet so nurturing it can spawn life and support its intricate matrix. We take it for granted, yet compared to other natural compounds, it's a genuine oddity. MODERN MARVELS® paints a vivid portrait of water. Watch it flow from huge irrigation machines that have revolutionized American agriculture and blast 200 miles into space from a newly discovered geyser on one of Saturn's moons (via computer animation). See it coaxed from the clouds by chemical injection, captured by innovative "fog-catchers", and cascade with artistic flair from compressed air jets at the Fountains of Bellagio in Las Vegas.

Modern Marvels: City Water Systems

Grades: 6th to adult

DVD length: 50 minutes, The History channel (2008)

Online: <https://www.youtube.com/watch?v=GNeJZqc7NSA>

Description: This documentary from A&E and the History Channel documents the history of public water systems which serve 267 million people in the US each day, from the days of the pharaohs to today. When you tap your faucet does clean, pure water flow? Can your city supply enough water for industry, firefighting, and street cleaning? U.S. public water-supply systems serve nearly 99 percent of the population, yet few users know how the system of aqueducts, pipes, and pumps work. Learn the colorful history of the water systems in

Chicago, New York City, and Los Angeles when we scour the past and look to the future, including desalination plants that turn seawater into drinking water.

Modern Marvels: Aqueducts Man Made Rivers

Grades: 6th to adult

DVD length: 50 minutes, The History channel (2008)

Online: <https://www.youtube.com/watch?v=ADPbw13EdOs&t=11s>

Description: They are arguably the most important public works projects in history. Without aqueducts, many of the world's great cities and civilizations would never have existed. For thousands of years, we have shaped the world and forged history by controlling the flow of water. From the continent-spanning constructions of Ancient Rome to the lifeline that quenches Los Angeles's thirst, MODERN MARVELS takes a probing look at the history and technology of AQUEDUCTS. See how ancient civilizations solved their water problems with exquisite networks of channels and pipes, some laid centuries before the birth of Christ. Relive the long fight to bring water to Los Angeles, where 100,000 men labored to fulfill the vision of one man, and a great city was truly born. Extensive footage shows the construction of the massive system that brings water across hundreds of miles of harsh desert. Finally, get an up-close look at the most modern water systems on earth, high-tech marvels that cost billions of dollars, but without which

Modern Marvels: Plumbing- the Arteries of Civilization

Grades: 6th to adult

Online only: 50 minutes, The History channel (2008)

Online: <https://www.youtube.com/watch?v=qse6tLhbWMM>

Description: Plumbing; it's the arteries of civilization, surging with life-giving water and tons of waste. It feeds the fixtures that spoil us and flushes us with pride. It's potential is explosive and it's history overflows with innovation.

Liquid Assets

Grades: 7th – adult

DVD Length: 90 minutes, WPSU (200)

Online overview (15 min): <http://liquidassets.psu.edu/#overview>

Downloadable Toolkit

Description: "Liquid Assets" tells the story of essential infrastructure systems: drinking water, wastewater, and stormwater. These complex and aging systems—some in the ground for more than 100 years—are critical for basic sanitation, public safety, economic development, and a host of other necessities of life. The documentary highlights communities from across the United States, providing an understanding of hidden water infrastructure assets, demonstrating watershed protection approaches, and illustrating twenty-first century solutions.

Cadillac Desert

Grades: 9th to adult

Online only

Description: This four part PBS video series provides insight into the history of the politics of water. Each part is about one hour long and can be seen individually or as part of the series.

1. Mulholland's Dream, part one of the series, tells the incredible story of how the hunt for and the exploitation of water brought the city of Los Angeles to life -- and, literally, life to Los Angeles.

<https://www.youtube.com/watch?v=MpaC4R6cU1o>

2. American Nile, part two of the series, tells the story of how the Colorado became the most controlled, litigated, domesticated, regulated and over-allocated river in the history of the world. Rich with archival footage and interviews with the river's "shapers" and protectors, the broadcast chronicles how the Colorado became so dammed-up and diverted that by 1969 it no longer reached the sea except in the wettest of years.

<https://www.youtube.com/watch?v=vKIXKE-Duac>

3. The Mercy of Nature, the third episode of the series, traces the fierce political and environmental battles that raged around the transformation of California's Central Valley from a semi-arid plain into the most productive and environmentally altered agricultural region in the history of the world.

https://www.youtube.com/watch?v=_yeXIMN6Fo0

4. The Last Oasis the series final episode, offers an eye-opening report on the ways in which water use -- and misuse -- are affecting the daily lives of millions of people in India, China, Mexico, South America, the Mideast, and here at home in Colorado and California. The broadcast explores how, in the face of rising water needs, advances in water conservation may be humanity's "last oasis."

<https://www.youtube.com/watch?v=4ArNNyHoRBM>

How Water Works- An Interactive Tour

AWWA (2008)

CDRom

Description: This interactive CD takes you on a complete, in-depth tour of the processes, equipment, and technology of a typical city water supply and wastewater treatment system. From the water source, through the treatment works, into the distribution system, out the taps, back down the drain, and through the collection system to the wastewater plant, you will learn all about modern water treatment right on your computer.

Look at adding other online water videos organized by category:

- Water cycle
- Water quality
- Water pollution
- Water Conservation
- Water Sources
- Water Distribution System

*City of Estacada * City of Gladstone * City of Lake Oswego * City of Tigard * Clackamas River Water *
Oak Lodge Water District * South Fork Water Board (Oregon City and West Linn)
Sunrise Water Authority (Happy Valley and Damascus)*