



1. Water Cycle Virtual Lesson

Overview & Purpose

This series of water-related lessons is designed to support 4th grade students in their exploration and understanding of local water resources and systems. In this lesson students follow the many paths our water can take from the rain, through pipe systems, treatment facilities, and back to the environment to be used again.

Optional Introduction Video

The Children's Clean Water Festival is a community event, organized by a group of public, private and non-profit organizations all committed to water and environmental education in our region. [This video introduces students to the festival and curriculum.](#) (Spanish, Vietnamese, Russian, and simplified Chinese subtitles)

Materials

- Website - [One Water Cycle](#)

Activity

1. Using the website as a model, explore how water travels through natural and built cycles.
2. Start at different points in the process, at home, outside etc.
3. Capture your learning with the [Water Cycle dance!](#)

Product

- Students draw a picture of the natural water cycle
- Starting inside your house, students draw a picture or describe how water travels to the river
- Students can record the places where humans (you!) interact with the water cycle
- Students move through the steps in the water cycle with the movement activity.

Guiding Questions

- How does water travel and change through the water cycle?
- How does the water cycle impact the environment?
- How do humans impact the water cycle?
- Where does water come from when it rains?

Extension Activities

- [Make your own water cycle](#)
- [Water cycle diagrams](#)
- [Groundwater video](#)
- [Aquifer in a cup](#)
- [The Water Cycle video](#) (Spanish)
- [Investigate Fresh Water video](#) (Spanish)
- [Blue Planet video](#) (Spanish)

NGSS Standards Supported

1. 4-ESS2-1. Make observations and/or measurements to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, or vegetation.
2. 4-ESS2-2. Analyze and interpret data from maps to describe patterns of Earth's features.