

## Water

# Water, Water Everywhere: Designing Water Filters

### TEACHER RESOURCES

## The Water Cycle

This site hosts a variety of resources related to watershed pollution and conservation, compiled by the National Oceanic and Atmospheric Administration (NOAA). From this site, teachers can also access video, real-world data, and lesson plans designed to help students think about water pollution and the importance of clean water to human society.

[http://www.education.noaa.gov/Freshwater/Water\\_Cycle.html](http://www.education.noaa.gov/Freshwater/Water_Cycle.html)

## Inventor of the Week: Dr. Ashok Gadgil

In EiE's Saving Salila's Turtle, students are introduced to the work of Dr. Gadgil--who, as it turns out, is not fictional after all! The MIT School of Engineering offers this brief biography of the real Dr. Ashok Gadgil and a description of his inventions, including a water purification system in India.

<http://web.mit.edu/invent/iow/gadgil.html>

### INTERACTIVE FOR STUDENTS

## The Environmental Protection Agency's Student Center

EPA's student center offers a variety of online games and quizzes designed to get students thinking about their environment. This page links to a list of environment-themed games for students.

<http://www.epa.gov/students/games.html>

### VIDEO FOR STUDENTS

## Water Treatment Plant

This video explains how water treatment plants clean water using filters and chemicals so that it is safe to drink. This video was developed by ZOOM and is hosted through PBS LearningMedia™. (2:22)

<http://bit.ly/1h7A3IS>

## Water Cycle Animation

This short animation developed by NASA illustrates the water cycle and provides opportunities for students to put the water cycle into their own words. The video is accompanied by background information for the teacher and discussion questions for students. (0:52)

<http://bit.ly/17PoHX4>

## Water Cycle Jump

This music video from Bill Nye, hosted on Schooltube.com, features a water cycle rap. (1:30)

<http://bit.ly/1bcDuvu>