



Please use these lesson plans, activities, and resources to help educate, energize, and engage your students as they rally around ZWW at school, at home and out in their communities.

Teaching Tools

[Teaching Climate Through Visualization](#)

Science and information for a climate-smart nation.

[River Runner Visualization](#)

Drop a raindrop anywhere in the United States and watch where it ends!

Explore the Ocean (virtually)

- [Abandoned Litter Island](#)
- [Google Earth underwater scenes](#)
- [Dive with Scientists in Marine Protected Areas](#)
- [Dive in the United States Marine Protected Areas](#)

Articles & Websites

[NOAA Resource Collection](#)

NOAA videos, lesson plans, webinars, web stories, virtual reality, and much more.

[Reduce, Reuse, and Recycle Resources for Students and Educators \(K-12\)](#)

A collection of resources for students and educators on reducing, reusing, and recycling by the Environmental Protection Agency.

[Essential Principles of Ocean Science](#)

An understanding of the ocean's influence on you—and your influence on the ocean

[The Problem With Marine Debris](#)

The lowdown on marine debris- what it is, why it happens, its impacts, and solutions

[Bow Seat; Ocean Awareness Program](#)

[Surfrider Foundation](#)

Activities

[NOAA Games and Activities](#)

Virtual games, coloring pages, and more!

[Washed Ashore; Art to Save the Sea](#)

giant sculptures made from beach debris that travel the globe educating about plastic pollution.

[NOAA Marine Debris Data](#)

Use your phone to participate in citizen science!

[Paper Mache Pots](#)

[Water Bottle Fish](#)

[Bottle Cap fish or Flower](#)



Videos

[The Story of Stuff](#)

Short animated films discussing consumption culture

[Bag It; documentary.](#)

[NOAA What are Microplastics?](#)

[What are Nurdles?](#)





Lesson Plans

[NOAA Marine Debris Lesson Plans \(K-12\)](#)

Utilize these interactive and educational lesson plans, including activity books, toolkits for educators, and activities, to educate students about the growing problem of marine debris.

[Exploring Marine Sanctuaries \(7-8 Lesson Plan\)](#)

Students learn about the national marine sanctuaries found in the Pacific and Atlantic oceans and off the coast of American Samoa.

[Monterey Bay Aquarium: How does plastic get into the ocean? \(6-12\)](#)

Follow this progression to help your child learn more about plastic pollution and to encourage them to take action to reduce single-use plastics.

[Plastic Bottles in Watershed \(9-12\)](#)

Students gather evidence to specify the sources of plastics pollution in their own communities and develop solutions.



[Monterey Bay Aquarium Online Courses \(K-12\)](#)

Encourage wonder and connection to the natural world while teaching important science concepts.

[Save Our Shores \(PreK-12\)](#)

Help students discover their connection with the bay and become environmental stewards of our coasts and oceans.

[Fred the Fish Water Pollution Simulation \(K-6\)](#)

An interactive water pollution simulation seen through “Fred the Fish” as he encounters downstream obstacles.

[Years of Living Dangerously Documentary \(K-12\)](#)

Encourage students to analyze the relevance of climate change to their daily lives, and investigate how they can be part of the solution.

