

Freshwater Tool Kit

FREE Water Resource Educational Tools



Looking for fun and easy tools to help support your lesson plans on science and water resources? Multi-disciplinary tools that also help meet multiple educational standards?

Check-out one or more of these **FREE**, great resources for 1st through 12th grades

@ www.freshwatertoolkit.org!

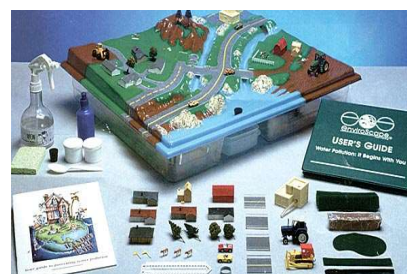
1. Freshwater 101: In-Class Presentation [All Grades]

Schedule this engaging and interactive presentation to launch the perfect start to a strong foundational understanding of how precious and limited freshwater is for all living things. Students will begin or continue their journey learning about water with a renewed enthusiasm and appreciation as they see a “30,000-foot view” of the Earth’s water resources and challenges that proceeds back home to learn about their local waterway



2. Watersheds 101 – Enviroscape Model [ALL Grades]

A fun, interactive, 3-D model the students will love. One of the WATER Connectors will demonstrate how water runs over the landscape and picks up garbage, dog poo and other pollutants and learn solutions to help protect our waters. Students learn about watersheds, stormwater and Milwaukee’s waters.



3. Milwaukee’s Waters Map [Grades 3-12]

This 24x36” poster can be used on its own or with the watershed model to connect students to local waterways. The Milwaukee’s Waters map is easy to understand showing local rivers, their watersheds and places of interest. You’ll also receive a teaching aid that highlights general facts on our waterways and environmental and historical information.



4. Simple Solutions Resource Guides [Grades 3-12]

This useful guide can be used on its own or as a next step after the Freshwater 101 presentation or watershed model. Each tri-fold guide has a map of the Great Lakes, a stormwater graphic and a fold-out poster with over 50 easy solutions to protect and conserve water. There is also an activity guide available to find ways to use the guide in the classroom and at home with their families. The Guides are in English and Spanish and can be provided for each student.



5. **Water Flows Around You – A Journey of Rain Drops to Stormwater [All Grades]**

Connect students to their waterways and how water flows on their playground and in their neighborhood. There are a variety of activities including watching where the water flow goes, mapping their playground, doing a cleanup and adopting a storm drain to ensure that stormwater that flows into the drains is as clean as possible to protect water quality of rivers and Lake Michigan

6. **Water Works – Activities on Water’s Unique Chemical Properties [Grades 3–12]**

Ignite student’s interest in water with these quick and easy hands-on activities adapted from Project Wet. They’re perfect fill-in activities that show the 3 states of water and water’s unique properties of density, adhesion, cohesion, capillary action and surface tension and explains the behavior of water’s unique molecules. Each activity can stand alone, or students can rotate through stations of all 3 activities.

7. **Water On The Move – A Journey Through the Water Cycle [Grades 3-12]**

Students become elements in the water cycle as they move between stations in the classroom representing clouds, glaciers, lakes, land, plants, animals, humans and groundwater. They’ll pick a quick explanation from over 50 voyages in the cycle as they change from liquid, to solid (ice), to vapor (gas) in their journey.

8. **Conserve! Water Use Guide and Tracking [Grades 3-12]**

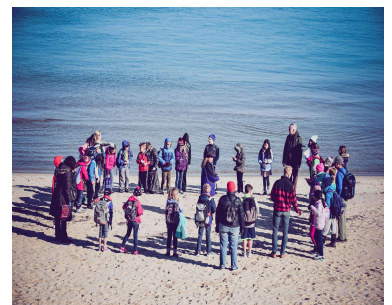
These activities help students understand how we use water every day and gives them tools to reduce water and energy use. They will track water use at home and be able to share what they learn with the rest of the family. A fun and productive way to teach math principles.

9. **Water Art [All Grades]**

This activity guide will direct you to ideas to spark visual creativity in students to design posters, cartoons, comics, collages, and more projects with water themes. Art has the ability to teach science principles in new and fun ways.

10. **Day at the Beach - Beach or River Cleanup [All Grades]**

Get your kids out of the classroom to a beach or river near you! You’ll receive instructions on how to coordinate a beach or river cleanup with other activities that groups of students can rotate through including a picnic lunch. The cleanup can be a data collection event or a general cleanup. Gloves, bags and a data form can be provided. Transportation to the beach or river and chaperons need to be provided by the school.



And More Resources!

The Freshwater Tool Kit is a collaborative effort created by over a dozen local water centers and educators to provide teachers with easy-to-use, meaningful and fun water resource content that also provides solutions to protect our waters for generations to come.

For more information on the Freshwater Tool Kit visit www.freshwatertoolkit.org.

Questions? Contact Kae DonLevy at 414-588-0617 or watersmeet.mke@gmail.com.