

Teacher and Parent Stormwater Education Resources

This page offers parents and educators a range of materials to teach about stormwater and water quality topics. No matter your role in educating around water and stormwater, there are sure to be useful resources in this collection. If any additional information is needed, please reach out to WPCOG Environmental Education and Outreach coordinator Caren Shorthouse at caren.shorthouse@wpcog.org.

Lesson Plans

NASA (K-12th Grade)

NASA has a range of “[Precipitation Education](#)” resources available on their website. From formal lesson plans to informal or at-home materials, NASA explores the interplay of climate change and the world around us using data collected by satellites and scientists. Lessons are separated into ages and topics, for an easy way to find exactly what you need.

North Carolina Clean Water Education Partnership (3rd-5th Grade and 9th-12th Grade)

Run by the [state of North Carolina](#), this is a great resource for parents and teachers alike. There are many resources located on this page including full lesson plans, games, and activities to accompany lessons.

Athens, Georgia Stormwater Program (K-12th Grade)

The city of Athens has put together a nice array of lesson plans for download that cover a variety of stormwater topics, such as pet pollution, stream health, and macroinvertebrates. Lesson plans feature activities appropriate for the specified age ranges.

Videos and Games

Don't Flood the Figdets

This is a great game to play within a curriculum to discuss stormwater! The game is through PBS Kids, and offers a way for kids to see how stormwater affects a community, and measures that can be taken to prevent flooding including low-impact development, green infrastructure and more! Find the game here: [Don't Flood the Figdets Game . DESIGN SQUAD GLOBAL | PBS KIDS](#)

Freddy the Fish

A short video, Freddy the Fish teaches children about stormwater, stormwater pollution and how stormwater pollution impacts the environments that we know and love. The video can be found here: [Freddy the Fish Teaches About Stormwater - YouTube](#) and is a fantastic introductory clip to start the discussion regarding stormwater.

Stormwater to Drinking Water

This [short video](#) covers stormwater, stormwater runoff pollution, non-point source pollution and how polluted water is treated to become drinking water. Great visual support to help improve understanding of the water cycle, and direct effects of pollution on our waterways. Great to show to a classroom while talking about stormwater.

Stormwater Consequences Board Game (3rd-5th Grade)

In this [downloadable board game](#), students can move through the board learning about river ecosystems, collect pollution and solution cards, and how to help prevent stormwater runoff problems that may occur.

Online Resources

Ways of Watersheds

This is a great mini-lesson that teaches children about water, watersheds, and the basics of hydrology. The webpage is a self-guided interactive webpage that can help children understand watersheds and why they are important. Find the webpage here: [Water & Watersheds : \(wqbh.org\)](#)

NOAA

This website has so many fun water-related children's resources located here: [Just for Kids \(noaa.gov\)](#). The webpage teaches all about water, the ocean, basics to climate science and more. Children can find many different resources such as videos, coloring pages and activity books, and at-home water safe guides based on topic, age range and more.

Environmental Protection Agency (EPA)

Included on the [EPA's Stormwater and Non-Point Source Pollution webpage](#) are activities, lesson plans, videos, and printable pages for a range of ages. There are also links to other environmental resources such as wetlands education, and more in-depth information on federal Nonpoint Source Pollution programs and regulations.

Project WET

[Project WET](#) is an international resource to teach children about water. Educators can attend a workshop in which a certified Project WET ambassador teaches participants how to utilize the Project WET guidebook and find the best lesson to suit needs. Lessons can be adapted based on age, time, and knowledge.