

University of Michigan Dearborn Environmental Interpretive Center Trip of a Drip Program, Pre and Post-Visit Resources

Welcome to the Trip of a Drip program resource page. Here you will find links to resources pertaining to this program, along with important concepts and relevant literature. Certain links are for short, educational, program-specific videos, while others are images, sounds, worksheets, or fact sheets related to the program. Descriptions are included with the links. The pre-visit resources will help introduce students to our Trip of a Drip program and the post-visit resources will help reinforce their experiences.

All of the resources provide supplementary and complementary information for the program. Enjoy!

Pre-Visit Resources:

Introductory Concepts:

Water Cycle - process of how water cycles between bodies of water, the atmosphere, and land

Watershed - area of land where all the water in that area flows and collects in one place

Glaciation - process, condition, or result of being covered by glaciers

Runoff - water that falls on the land

Topographic Map - shows the physical features of the land such as elevation and landforms

Floodplain - flat land beside a river or stream that may be submerged by floodwaters

Sights and Sounds: (video and/or audio)

What is a Watershed (2 minute video that explains definition of a watershed)

<https://dptv.pbslearningmedia.org/resource/ket09.sci.ess.water.wshed/what-is-a-watershed/>

What's so Great about the Great Lakes (4:45 minute video with skippable ad at start)

<https://www.youtube.com/watch?v=gBRcOLcEwF0>

Literature:

A Drop Around the World by Barbara Shaw McKinney (ages 9-12)

Watersheds: A Practical Handbook for Healthy Water by Clive Dobson (ages 12-17)

Additional Information/Worksheets:

Rouge River Watershed information and map (Friends of the Rouge website)

<https://therouge.org/about-us/our-watershed/>

Great Lakes facts (upper elem/middle school/high school)

https://kids.kiddle.co/Great_Lakes

Post-Visit Resources:

Concepts to Reinforce: (in addition to introductory concepts)

Rain Garden - garden of native plants designed to absorb rainwater

Deposition/Erosion - processes where land is built up or worn away by forces such as water, wind, or ice

Impervious - doesn't allow something to pass through (like pavement)

Permeable - allows materials to pass through (like soil)

Storm Drains vs Sewers - where does water end up when it enters these systems and why does it matter?

Additional Information: (articles, documents, videos, images)

Detroit River facts

https://kids.kiddle.co/Detroit_River

Rouge River health (3 minute video about cleaning up the Rouge River)

<https://www.youtube.com/watch?v=kBKz0KkmgHg>

Water Quality - Urban Runoff (1:47 minute video that connects water quality to urban areas and how to make a difference)

<https://dptv.pbslearningmedia.org/resource/2e389f9c-1d36-4a61-b097-47f3c7819830/water-quality-urban-runoff/>