

Dickinson Bayou Watershed

Education Modules for Teachers

Watersheds 101

1. What is a watershed? Power point lecture with speakers notes- appropriate for **grades 3-12**
Summary: A presentation for teachers or volunteers to give in class that includes an overview of watersheds, stormwater runoff, and ways to combat runoff pollution.
2. Build your own watershed model - appropriate for **grades 3-12**
Summary: Use common household items to create your own watershed model and see how water and pollutants can runoff the land.
3. Explore your watershed with nature journals - appropriate for **grades 3-12**
Summary: Students take a moment to observe nature in your watershed and record their observations and thoughts in a journal.
4. Color me a watershed – appropriate for **high school** level from Project WET
“Summary: Through interpretation of maps, students observe how development can affect a watershed.”

How Water Moves

1. Just passing through – appropriate for **upper elementary, middle school** level from Project WET
“Summary: In a whole-body activity, students investigate how vegetation affects the movement of water over land surfaces.”
2. Capture, Store, and Release – appropriate for **upper elementary** from WET in the City
“Summary: Students use a household sponge to simulate how wetlands capture, store, and release water.”
3. Imagine! – appropriate for **upper elementary and middle school** from Project WET
“Summary: Students take an imaginary journey with water in its solid, liquid, and gaseous forms as it travels around the world.”
4. Water in Motion – appropriate for **upper elementary** from Project WET
“Summary: Students create artwork to help them appreciate the movement and sound of water in their environment.”

Humans and Water Quality

1. Deadly Waters – appropriate for **grades 3-12** (depending on modifications) from Project WILD Aquatic
“Summary: Students identify major sources of aquatic pollution and make inferences about the effects of this pollution.”
2. Dragon Fly Pond – appropriate for **grades 4-12** from Project WILD Aquatic
“Summary: Students create a collage of human land-use activities around an image of a pond.”
3. Where does water runoff after school – appropriate for **grades 6-12** from Project WILD Aquatic

PREPARED IN COOPERATION WITH THE
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“Summary: Students measure and calculate the area of the school-ground; calculate the volume and weight of water falling n the school-ground; determine specific and annual rainfall and runoff; and trace the course of that water to aquatic habitats.”

Resources

The resources listed below are copyrighted materials. If you teach in the Dickinson Bayou watershed, please contact cyork@tamu.edu to find out how to implement these activities in your classroom.

Project WET International Foundation. *Project WET Curriculum & Activity Guide*. 2005. Print.

Western Association of Fish and Wildlife Agencies and the Western Regional Environmental Education Council. *Project WILD Aquatic Education & Activity Guide*. 1999. Print.

Council for Environmental Education. *WET in the City Water Education for Teachers Curriculum & Activity Guide*. 1999. Print.

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