

From the Mountains to the Estuary: From the Schoolyard to the Bay

**Meaningful Watershed Experiences
for Grade 6 Students**

Created by:



**With grant support from
The NOAA Bay Watershed Education Training (B-WET) Program**



In partnership with:



**Occoquan Bay National Wildlife Refuge
Manassas Battlefield National Park**



Cited and Additional Resources

NOAA B-WET Conference Web site with materials page:

<http://www.oesd.noaa.gov/BWET/09conference/materials.html>

Potomac Environmental Research and Education Center- real time weather and water quality data from the Potomac Watershed <http://perec.cos.gmu.edu/>

Information about Virginia's watersheds:

<http://www.virginiaplaces.org/watersheds/index.html>

Sklarew, D. 2007. Raindrops keep fallin' on my house. (a rain barrel cost/benefit analysis) The Arlington Environment 15:1, p. 5.

[www.arlingtonenvironment.org/newsletter/summer07.pdf]

Tool to help students create graphs online <http://nces.ed.gov/nceskids/createagraph/>

U.S. EPA- information on regulations, water quality, identify local watershed from zip code www.epa.gov

The Chesapeake Bay Program <http://www.chesapeakebay.net/overview.aspx> is a unique regional partnership that has led and directed the restoration of the Chesapeake Bay since 1983. The [Chesapeake Bay Program partners](#) include the states of [Maryland](#), [Pennsylvania](#) and [Virginia](#); the [District of Columbia](#); the [Chesapeake Bay Commission](#), a tri-state legislative body; the [Environmental Protection Agency](#), representing the federal government; and participating citizen advisory groups.

Virginia Department of Environmental Quality-opportunities for community involvement, water quality, printable maps, interactive maps

www.deq.state.va.us

Chesapeake Bay Foundation- watershed information, middle school curriculum unit, water quality, teacher training

www.cbf.org

Virginia Department of Conservation and Recreation- identify local watersheds

www.dcr.state.va.us

United States Geological Survey- site for ordering topographic maps and aerial photographs, lesson plans

www.usgs.gov

Virginia Naturally & Project WET- environmental education website, lesson plans, grants

www.deq.state.va.us/education/wet.html

Prince William Soil and Water Conservation District- adopt a stream, envirothon, poster contests, classroom modules, earth day

www.pswgcd.org

Prince William County Public Works-protecting natural resources, protecting wetlands

www.co.prince-william.va.us/

Lessons from the Bay- provides procedures for teaching various watershed topics. Each lesson plan includes correlations to the Virginia Standards of Learning (grades 3–6), background information, and resources, as well as suggestions for assessment and extensions.

<http://www.pen.k12.va.us/VDOE/LFB/lessonplans/index.html>

STEP.com- The project is funded through the National Science Foundations Urban Systemic Program which promotes whole-system improvement in science and mathematics education. Site has Lesson Plans, Resources, Power Point Presentations and more!

http://step.nn.k12.va.us/science/6th_science/ppt/6sci_ppt.htm

Many of the water quality images used in this guide are from the Wisconsin Water Resources Clip Art Collection <http://clean-water.uwex.edu/pubs/clipart/index.htm>

Thank you to the University of Wisconsin-Extension and the Wisconsin Department of Natural Resources."