

## 2009 Summer Professional Development Opportunities

- Training/ Workshop:** **Chesapeake Classrooms**
- Dates:** Various dates in June, July and August
- Description:** The Chesapeake Bay Foundation, supported by the National Oceanic Atmospheric Administration (NOAA) and the National Geographic Society, invite you to participate in an unparalleled professional development experience: Chesapeake Classrooms. Get your feet wet paddling, hiking, sampling water quality, and visiting people and places that connect your school community with the Chesapeake Bay. Each course is 5 days and recertification points and graduate credits are available.
- Fees:** \$150 for 5 days
- Registration:** Go to [www.cbf.org/chesapeakeclassrooms](http://www.cbf.org/chesapeakeclassrooms) and fill out the registration form electronically, or print and fax to Cindy Ryder at (410) 268-6687
- For more information:** [www.cbf.org/chesapeakeclassrooms](http://www.cbf.org/chesapeakeclassrooms)
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- Training/ Workshop:** **Holiday Lake Forestry Camp for Teachers**
- Dates:** June 15 – 19, 2009, at Holiday Lake 4-H Center
- Description:** This is a week-long Forestry Camp for teachers. Classes are taught in the woods by professional foresters, wildlife biologists, and conservation resource specialists. Courses include: Sustainable Forest Management Practices, Timber Harvesting and Reforestation, Tree Measurements, Environmental Protection, Wildlife Management and Habitat Improvement, Stream Quality Analysis, and Tree Identification. Field trips are taken to an active logging operation, arborist training, and a modern paper mill. Exploratory classes are offered in ecology, forest fire equipment and tactics, wilderness survival canoeing, skeet marksmanship, and high ropes initiatives. Demonstration programs feature presentations by area Game Wardens, a bloodhound search and rescue team, and wildlife researchers. Campers participate in a Lumberjack Field Day with a group competition in crosscut sawing, log rolling, and other traditional outdoor skills contests.
- Fees:** No fee (Supported through a NOAA B-WET grant.)
- Registration:** Contact Lisa Deaton, Forest Education Specialist with the Virginia Department of Forestry, at (804) 328-3031 or [lisa.deaton@dof.virginia.gov](mailto:lisa.deaton@dof.virginia.gov) for a Teacher Application. This opportunity is limited to a total of FIVE teachers.
- For more information:** <http://www.dof.virginia.gov/edu/camp.shtml>

**Training/ Workshop:** **The Box Turtle Connection: Virginia's Box Turtle Monitoring Program for Teachers and Their Students**

**Dates:** June 18, 2009, in Charles City County  
July 7, 2009, in Loudoun County  
July 16, 2009, in Charlottesville

**Description:** The Virginia Department of Game and Inland Fisheries (VDGIF) is offering three workshops for educators interested in helping to monitor Box Turtle populations. Participants will learn field methods and protocols including setting up a census plot and conducting a visual survey, equipment use and maintenance, collection of morphometric data, and radio telemetry and other tracking techniques.

**Fees:** No fee (Supported through a NOAA B-WET grant.)

**Registration:** Download and submit registration from [www.dgjf.virginia.gov/events](http://www.dgjf.virginia.gov/events)

**For more information:** [www.dgjf.virginia.gov/events](http://www.dgjf.virginia.gov/events)

**Training/Workshop:** **Water Stewardship: Living Shorelines & Rain Barrels**

**Dates:** June 18, 2009

**Description:** Longwood University's Hull Springs Farm will conduct a 4-hour workshop for educators that will explore many aspects of protecting water quality and aquatic habitats. Participants will visit an award-winning Living Shorelines marsh, look for resident animals, help plant marsh grasses and discuss how to protect Virginia shorelines. Living Shorelines, a Chesapeake Bay restoration effort, is an environmentally friendly way to control erosion while providing habitat for shoreline wildlife. Participants will make a functioning rain barrel from a recycled pickle barrel that they will take home and learn how to plan educational rain barrel workshops in their own schools and communities. They will also receive a CD with watershed and rain barrel presentations, plus a copy of Virginia's Water Resources: A Tool for Teachers correlated to *Virginia's Standards of Learning* (SOL). It features information and activities for teachers to support interdisciplinary and problem-based teaching about watersheds, water quality, stewardship, and management issues. This workshop is open to teachers, teachers-in-training, and natural resource professionals. Dress appropriately for the weather and outdoor activities.

**Fees:** \$47 (Partially supported through a NOAA B-WET grant.)

**Registration:** Pre-registration is required by June 9, 2009, by contacting Bobbie Burton by telephone at (804) 472-2621, or by e-mail at [hullspringsfarm@longwood.edu](mailto:hullspringsfarm@longwood.edu)

**For more information:** [www.longwood.edu/hullspringsfarm/](http://www.longwood.edu/hullspringsfarm/)

**Training/ Workshop:** **Watershed Academy: From Mountains to Metropolis**

**Dates:** June 22-26, 2009

**Description:** Join the Smithsonian's National Zoo for a 4-day residential program exploring the Chesapeake Bay Watershed. Participants begin their journey at the Zoo's Conservation and Research Center at the edge of the Blue Ridge Mountains in Front Royal, Virginia, and end in Washington, D.C. As participants traverse the watershed, they will visit locations that highlight the scientific, management and policy issues impacting the Chesapeake Bay Watershed — from the mountains to the metropolis. This program allows participants to train side by side with scientists from the Smithsonian Institution and partnering agencies. Classroom and field studies focus on a variety of topics including watersheds, geology, water and biodiversity monitoring, as well as history and government. Participants will explore how to incorporate service learning into the classroom and emphasize options to conduct a Meaningful Watershed Educational Experience (MWEE) with students.

**Fees:** \$250 base tuition (\$25 deposit), plus \$25/night accommodations  
Additional fee to take this course for graduate level credit

**Registration:** Register on-line at <http://nationalzoo.si.edu/Education/TeacherWorkshops/>

**For more information:** <http://nationalzoo.si.edu/Education/TeacherWorkshops/>

**Training/ Workshop:** **Project Underground Workshop**

**Dates:** June 23, 2009

**Description:** Project Underground is a national education program focused on cave and karst awareness. Each participant will receive a Project Underground Education Guide (for K-12 students) as well as other resources. Facilitators and participants will work together to model hands-on activities found in the guide. These materials and workshops are designed for classroom teachers, cavern, park, museum, and nature center staff, or any youth-oriented group leaders. Lunch will be provided.

**Fees:** \$15 per participant

**Registration:** Contact Emily Ford or Lisa Green at (540) 837-1758 Ext. 242, or by e-mail at [schprog@virginia.edu](mailto:schprog@virginia.edu)

**For more information:** [www.virginia.edu/blandy/](http://www.virginia.edu/blandy/)

**Training/ Workshop:** **Project Learning Tree Workshop**

**Dates:** June 25, 2009

**Description:** Project Learning Tree is an award winning environmental education program designed for teachers and educators. Each participant will receive a (preK-8) Project Learning Tree Activity Guide. Facilitators and participants will work together to model hands-on activities found in this guide. Activities are interdisciplinary and designed to help educators add environmental education to their curricula. This workshop is scheduled from 9 a.m. - 3:30 p.m. Lunch will be provided.

**Fees:** \$15 per participant

**Registration:** Contact Emily Ford or Lisa Green at (540) 837-1758 Ext. 242, or by e-mail at [schprog@virginia.edu](mailto:schprog@virginia.edu)

**For more information:** [www.virginia.edu/blandy/](http://www.virginia.edu/blandy/)

**Training/ Workshop:** **Rain Barrel & Water Conservation Workshop for Educators**

**Dates:** June 25, 2009

**Description:** Clean Virginia Waterways (affiliated with Longwood University) will host this 3-hour water stewardship workshop for educators. Participants will make a functioning rain barrel from a recycled pickle barrel that they will take home. The workshop will provide educators all the knowledge, PowerPoints, budgets and handouts they need to host Rain Barrel Workshops in their schools and communities. Topics include: benefits of water conservation, how to convert a used food barrel into a rain barrel, watersheds 101, water pollution prevention tips for citizens, Meaningful Watershed Educational Experience (MWEE) overview, and roundtable discussions on using the popular Rain Barrel Workshops to increase knowledge about water stewardship with students and their families. Participants will receive a CD with watershed and rain barrel presentations, plus a copy of Virginia's Water Resources: A Tool for Teachers correlated to *Virginia's Standards of Learning* (SOL). It features information and activities for teachers to support interdisciplinary and problem-based teaching about watersheds, water quality, stewardship, and management issues. Workshop is open to teachers, teachers-in-training, and natural resource professionals. Class size is limited.

**Fees:** \$30 per person (Partially supported through a NOAA B-WET grant.)

**Registration:** Pre-registration is required by contacting Katie Register by telephone at (434) 395-2602, or by e-mail at [cleanva@longwood.edu](mailto:cleanva@longwood.edu)

**For more information:** [www.longwood.edu/cleanva/rainbarrels.htm](http://www.longwood.edu/cleanva/rainbarrels.htm)

**Training/ Workshop:** **Wetlands Across America**

**Dates:** August 4, 5 and 6, 2009

**Description:** Workshops will be conducted at the Claytor Nature Study Center of Lynchburg College. This program is conducted in collaboration with Environmental Concern, LLC, Project WET, Claytor Nature Study Center, and Citizens for Clean Lynchburg.

Day 1: Introduction to wetlands ecology through a study of the 3 parameters of wetlands (vegetation, soils, and hydrology) and the wetlands functions and values by utilizing hands on, inquiry-based, cross-curricular activities. This workshop will include the Wonders Of Wetlands! Curriculum.

Day 2: WOW! Facilitator workshop to learn the processes and protocols of the nationwide WOW! Facilitator network, or Advanced Wetland Investigations. Participants leave with skills and materials to lead WOW! Workshops. The WOW! Workshop is a pre-requisite.

Day 3: POW! The Planning of Wetlands guides educators through the process of creating, restoring or enhancing a wetland on school grounds, or within a community. POW! incorporates activities that allow students to fully participate in designing, preparing, and monitoring a schoolyard wetland, and utilizing it as an outdoor classroom.

**Fees:** No fee for up to 25 participants each day (Supported through a NOAA B-WET grant.)

**Registration:** Follow link for information regarding phone or mail registration, [http://www.wetland.org/education\\_schedule.htm](http://www.wetland.org/education_schedule.htm)

**For more information:** <http://www.lynchburg.edu/claytor>

**Training/ Workshop:** **Exploring Earth Science in Shenandoah National Park**

**Dates:** August 11-12, 2009

**Description:** Geology and earth science teachers -- what better way to prepare for the new school year than to learn how to use Shenandoah National Park to investigate earth science with your students? Join us on August 11-12, 2009, for a hands-on teacher workshop that will introduce two brand new units of Exploring Earth Science in Shenandoah National Park: An Integrated Curriculum Guide for Grades 7-12. Workshop participants will receive the complete curriculum guide with lesson plans and materials to use Shenandoah National Park for field-based studies that meet the Meaningful Watershed Educational Experience (MWEE) requirement. The workshop includes instruction on the two new units, Protecting Our Water Resources and The Changing Face of Stony Man plus an overview of four other lesson plans in the curriculum guide.

**Fees:** No fee (Supported through a NOAA B-WET grant.)

**Registration:** To register or for more information, contact Shenandoah National Park's Education Office. E-mail: [shen\\_education@nps.gov](mailto:shen_education@nps.gov) or phone: (540) 999-3500, ext. 3489.

**For more information:** [www.nps.gov/shen](http://www.nps.gov/shen)

**Training/Workshop:** **From the Mountains to the Ocean: Hydro-ecological Connections Between the Northern Shenandoah Valley and Chesapeake Bay**

**Dates:** August 12-13, 2009

**Description:** Join us for a Meaningful Watershed Educational Experience workshop that will be held at Blandy Experimental Farm. This pilot workshop will help promote an understanding of the hydrological and ecological links of the Northern Shenandoah Valley to the Chesapeake Bay. In this 2-day workshop, participants will work with scientists and educators to gain a deeper understanding of the Chesapeake Bay watershed and develop activities to use in YOUR classroom. Housing and all meals will be provided.

**Fees:** No fee (Supported through a NOAA B-WET grant.)

**Registration:** Contact Candace Lutzow-Felling by telephone at (540) 837-1758, or by e-mail at [lutzow-felling@virginia.edu](mailto:lutzow-felling@virginia.edu)

**For more information:** [www.virginia.edu/blandy/](http://www.virginia.edu/blandy/)