

2016 Stroud Center Education Program Highlights

www.stroudcenter.org

- Total # face-to-face interactions through programs, conferences, trainings: 6,497
 - K-12 students: 3,585 (61%)
 - Colleges & Universities: 104 (2%)
 - Training & Professional Development: 1,199 (21%)
 - Community Engagement Events, Estimated # of attendees 914 (16%)
 - Conference & Event Presentations, Estimated # of attendees 695 (12%)
- 130 program contact days
- 56 different schools/organizations
- 19 school districts served
- Created new part-time pool of environmental educators. Hired 5 educators.
- WikiWatershed Toolkit created www.wikiwatershed.org
- 6 Leaf Pack Network trainings/presentations across the country
- 7 WikiWatershed.org and Model my Watershed related presentations led by education staff
- New partnerships/collaborations/schools/programs to note:
 - Scouts (Cub Scouts, Brownies): onsite day programs, overnight programs, and offsite camporees
 - PA Forest Stewards
 - Trout release days
 - Master Watershed Stewards trainings
 - Temple University, Landscape Architecture Department
 - West Chester University, Graduate level Environmental Education course
 - Kennett After-the-bell program
 - Seven new schools: P.S. DuPont (DE), Serviam Girls Academy (DE), Avon Grove Intermediate (4th & 6th grade in same season), Devon Elementary (PA), Susquehanna County School (PA), North Coventry (PA), Cyber school (PA)
 - Millersville University WETi field station
- Assisted with 3 education river trek events in summer: Coatesville Youth Initiative – Brandywine Trek, Urban Promise – Brandywine Trek, and Schuylkill Headwaters Association – Schuylkill Acts & Impacts
- New Webinars: Leaf Pack and WikiWatershed.org series (to be scheduled regularly each year)
- Leaf Pack Network is now accessible from <http://wikiwatershed.org/> and Stroud Center education webpage. The LPN since December 2000:
 - 455 registered groups in 38 states plus Puerto Rico and Washington, D.C.
 - 2 Canadian provinces
 - 11 countries (US, England, Ethiopia, Chile, China, Colombia, Costa Rica, Guatemala, Mexico, Peru, Philippines)
 - 671 completed experiments
 - 97,074 macroinvertebrates counted
- Created new public outreach initiative on Facebook, YouTube, and Education Website blog called the 'Science Education Video Features' highlighting current science and education at the Stroud Center.
- National Science Foundation Teaching Environmental Sustainability – Model My Watershed: Version 2 of curriculum unveiled to teachers during trainings in CA, PA, VA, IA/KS in June & July with positive feedback of reorganization to an inquiry-based curriculum and updates/functions/tools included in Model My Watershed app. Recruitment of 100 teachers across the US for 2016-2017 cohort 2 pilot year.
- New EPA EE Model grant entitled, "Greening STEM Technologies: A model for advancing DIY environmental sensing networks to support citizen science and primary and secondary education" (\$191,000 for 2 years) was initiated.
- Began work on the NSF sub-award with Carnegie Mellon University entitled 'Learning to See, Seeing to learn,' with macroinvertebrate taxa selection and training on www.macroinvertebrates.org website.
- Plain Sect Curriculum development of lesson plans/outreach materials for Plain Sect communities. This is to be launched within a few local counties, then statewide, with the hope of going national and global.
- Water Quality mobile app programmed for Android devices. Previously available for Apple devices.

The Stroud Center's Education Department was recognized as the Outstanding Environmental Education Program by the Pennsylvania Association of Environmental Educators in 2015

Education Program Feedback

Hi Tara! I just wanted to thank you for hosting us this past Tuesday. The families were raving about how much fun they had & how engaged the students were throughout the day. Vince was amazingly patient, helpful & informative all day—please thank him for us as well! Now that we know the programs you have available we will certainly look into more trips to Stroud in the future. Thanks for your help organizing & creating this event—it was a hit!

-Hannah Zwakenberg, Family Involvement Coordinator- Field Trip Division, Southeast Region, Commonwealth Charter Academy- Family Services Department

“Thanks again for an outstanding field trip yesterday. The Center’s ability to accommodate my student with hearing and visual challenges was exemplary!

I’ve heard many favorable comments about the day from other staff!”

-Jennifer Xenakes, student guide, PS Dupont M.S. (DE), May 6, 2016

Thank you for all of your efforts today. Many students and teachers informed me that this was one of the best field trips that they have ever been on and I have to agree. I am delighted that we are continuing this partnership of teaching and learning. I was able to observe all the great stuff that you are doing for the environment. Your teachers today were very well prepared and went the extra mile to meet the needs of our diverse learning community.

-Michael Garvin, Assistant Principal, Avon Grove Intermediate School



New off-site program for 400 4th graders at Avon Grove Intermediate. Part-time educator Vince O’Donnel in blue shirt. The Principal even helped teach!



One of two outdoor learning stations along White Clay Creek. This image in particular shows the ‘lab’ where students perform water chemistry tests on ‘watershed tea.’



Looking at LIVE bugs founds in the creek! Students experience ‘boots-in-the-water’ fun by learning how to collect and identify macroinvertebrates.



We’ve been teaching ‘Stream School’ to citizens across the country for over 20 years. This training prepares citizens to become ambassadors for our watersheds.