

2020 Education Department Highlights

<https://stroudcenter.org/education>

<https://wikiwatershed.org>

<https://leafpacknetwork.org/>



PROGRAMMATIC SUCCESSES

- Total # impacts through programs, conferences, and trainings: **2,546**
 - **807** (32 %) youth and **205** adults (8 %) at K-12 Student Programs
 - **67** (3 %) at college level
 - **722** (28 %) at Training & Professional Development
 - **160** (6 %) at Community Engagement Events
 - **585** (23 %) at Conference & Event Presentations; **6** presentations
- **75** programs: **15** onsite, **15** off-site, **2** canoeing, **43** virtual/online
- **96** program contact days, **33** different schools and organizations
- Outreach to participants from **9** U.S. states (CA, CO, PA, VA, MD, DE, NJ, WV, AZ) and Canada
- **21** training and professional development workshops
 - Now an approved Act 48 provider of professional development hours for PA teachers.
- Partnerships to note: Chester County Intermediate Unit, Millersville University Watershed Education Training Institute (WETi), National Oceanic and Atmospheric Administration, Pennsylvania Council of Trout Unlimited, Pennsylvania Department of Education, Pennsylvania Department of Environmental Protection, Pennsylvania Fish and Boat Commission, Pennsylvania Master Watershed Stewards, Pennsylvania State Parks, Earth Echo International, and Fairmount Water Works.
- **7** businesses donated through the PA EITC tax credit program to support public school education.
- **1,254** subscribers to our e-news which was sent **17** times in 2020.
- Beginning in April and running until June, the Education Department created a new weekly email which was received by 1200+ public, private, and parochial classroom teachers and school administrators as well as non-formal educators. A new Virtual Learning Resources (VLR) webpage was also created and shared with our nationwide contacts list, and in-state/out of state partners. VLR pages/posts have been viewed 14,352 times. 85% of page views were by users in the US, remainder from 47 other countries (every continent but Antarctica).

PROJECT HIGHLIGHTS

- **14** new projects funded with external support
- New products and resources
 - Launch of Leaf Pack Network Kit and the new aquatic macroinvertebrate dichotomous key
 - New Leaf Pack Network data entry portal in Monitor My Watershed
 - Creek Critters book (bilingual in Spanish)
 - Macroinvertebrate metric was aligned between Water Quality App and the Leaf Pack Network
 - Virtual learning resources section of our website launched to support educators and families in watershed education, bringing the 'stream-to-the-screen.'
 - In collaboration with students at Conestoga Valley H.S. we created Stroud Center mayfly t-shirts!
- In partnership with PA Department of Education we received an award from NOAA Chesapeake Bay Office to continue our PA Environmental Literacy and Watershed Education Capacity Building work for the next 2 years with an additional \$170K.
- PA Department of Environmental Protection funding was awarded for Girls-in-STEM watershed education to expand meaningful and inclusive watershed education opportunities for K-12 girls across southeastern Pennsylvania. Throughout boots-in-the-water stream studies, on-the-water canoeing/fishing, and Girls-in-STEM capacity-building with regional partners, the girl-dedicated programming will engage and empower future female leaders in water science careers, local water quality issues, watershed stewardship, and their backyard water resources, closing gender gaps and growing diversity in outdoor STEM.
- Our Department served on several national and statewide committees and workgroups including: Updating of PA Science, Technology, and Environment and Ecology Standards; PA Healthy Environment and Reopening Schools Workgroup; and the National COVID-19 Outdoor Learning Committee.

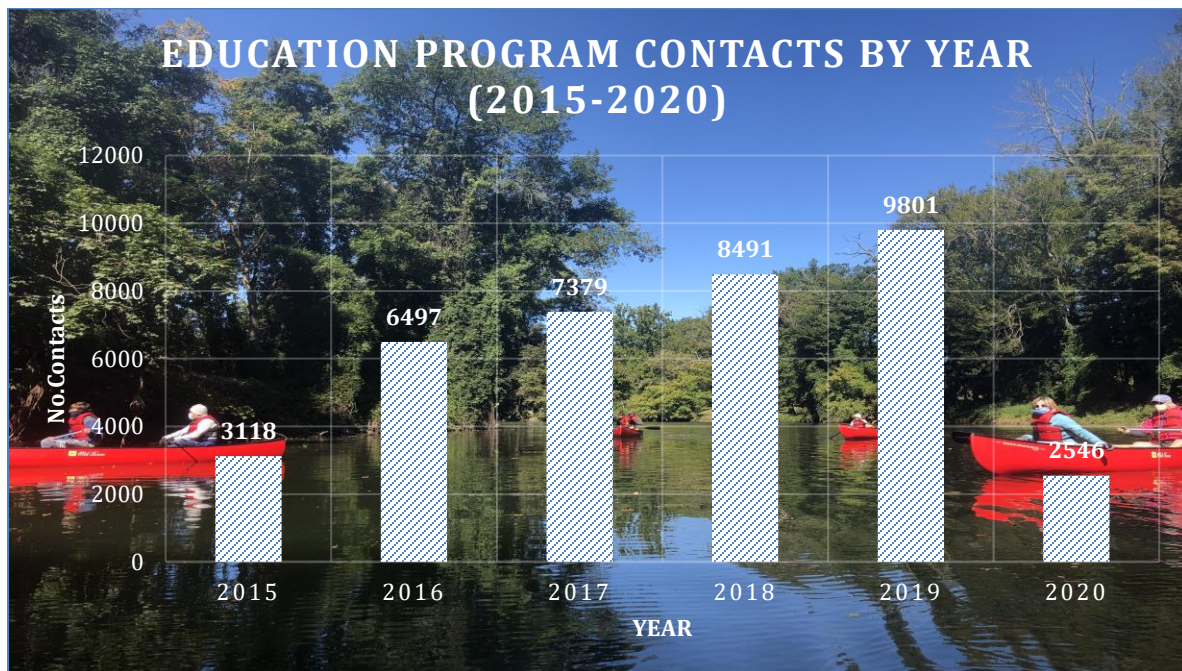
The education department includes 13 educators with >230 years of combined teaching experience!



EDUCATION PROGRAM FEEDBACK

“The Stroud Center created a safe, physically-distanced experience that allowed my students to explore, learn, and have lots of fun while maintaining stringent health protocols...My students had a blast, and I could enjoy the time with them while Stroud Center educators took care of creating a safe and enriching learning environment.” –Teacher, Hambright Elementary School

“Thank you so much for the virtual field trip videos. The kids and their families loved it! The kids couldn't wait to go and check out a local stream to test their water and look under the rocks for macro organisms (especially water pennies). We had great discussions and wonderful feedback from families. Thank you again for your help in creating a learning experience for the kids that I am sure they will never forget.” –Teacher, Avon Grove Intermediate School



Program audience numbers from 2015-2020. Note: 2020 was the onset of the global coronavirus pandemic which greatly impacted our abilities to provide our full programming schedule.

The education department was recognized as the Outstanding Environmental Education Program by the Pennsylvania Association of Environmental Educators in 2015. The WikiWatershed® Toolkit was awarded the 2017 Governor's Award for Excellence by the Pennsylvania Department of Environmental Protection.