

# 2021 Education Department Highlights

<https://stroudcenter.org/education>

<https://wikiwatershed.org>

<https://leafpacknetwork.org/>



## PROGRAMMATIC SUCCESSES

- Total number direct contacts impacts through programs, conferences, and trainings: **14,711**
  - **12,287** (84 %) youth and **552** adults (3 %) at K-12 Student Programs
  - **14** (<1 %) at college level
  - **818** (6 %) at Training & Professional Development
  - **564** (4 %) at Community Engagement Events
  - **476** (3 %) at Conference & Event Presentations; **17** presentations
- **153,000+** indirect education impacts in 2021 through our digital resources
- **160** programs: **40** onsite, **34** off-site, **8** canoeing, **78** virtual/online
- **208** program contact days, **56** different schools and organizations
- Outreach to participants from **15** U.S. states (AZ, CA, CO, DE, IL, NJ, NM, OH, OR, PA, SC, TX, VA, WA, WV) and **7** countries outside the U.S. (Canada, Peru, India, Ireland, Malaysia, Pakistan, Uruguay)
- **33** training and professional development workshop
- Partnerships to note: Chester County Intermediate Unit, Millersville University Watershed Education Training Institute (WETi), National Oceanic and Atmospheric Administration, Connect Ocean, Maryland Master Naturalist, Pennsylvania Master Naturalist, Caesar Rodney School District, 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, West Chester Area School District, Avon Grove School District, and Fairmount Water Works.
- The following **5** businesses donated in 2021 through the PA EITC tax credit program to support public school education:
- **1,417** subscribers to our e-news which was sent **10** times in 2021
- **861** subscribers to our e-news for Leaf Pack Network

## PROJECT HIGHLIGHTS

- **21** new grants, awards, donations for education projects
- New products and resources
  - [Leaf Pack Network simulation](#) for middle school students is now available on our [WikiWatershed Toolkit](#)
  - Aquatic macroinvertebrate identification app called '[Pocket Macros](#)' for both Android and Apple devices
  - Created and tested with 1900 students, a pilot virtual version of our 4<sup>th</sup> and 6<sup>th</sup>-grade field notebooks
  - New [Pennsylvania Gateway to Green website](#) created in collaboration with Pa Department of Education
- PA Environment and Ecology Standards for K-12 Learning. Dr. Kerlin was selected and is serving on the content writing committee updating the new proposed standards, which will now include a new domain of standards called Environmental Literacy and Sustainability.
- Obtained funding from **10** funding entities for our new Watershed Education Mobile Lab (see pg. 2 top for image) which will bring educational programming to students, families, and community members that have access challenges with transportation, funding, and limited technology connections.

## AWARDS & RECOGNITION

- The Pennsylvania Meaningful Watershed Educational Experience (MWEE) Ambassador Training Program was honored with the outstanding environmental education award in 2020 by the Pennsylvania Association of Environmental Educators
- WikiWatershed® Toolkit receive the Sustainable Business Network (SBN) of Greater Philadelphia's Excellence in Green Stormwater Infrastructure (GSI) Award for Technological Innovation in 2019 and was also awarded the 2017 Governor's Award for Excellence by the Pennsylvania Department of Environmental Protection.
- The education department was recognized as the Outstanding Environmental Education Program by the Pennsylvania Association of Environmental Educators in 2015.



## EDUCATION PROGRAM FEEDBACK

“As usual, our students had a fabulous time at Stroud. We had lots of rave reviews from students! Thanks again for all that you do for our students and for the health of our water.

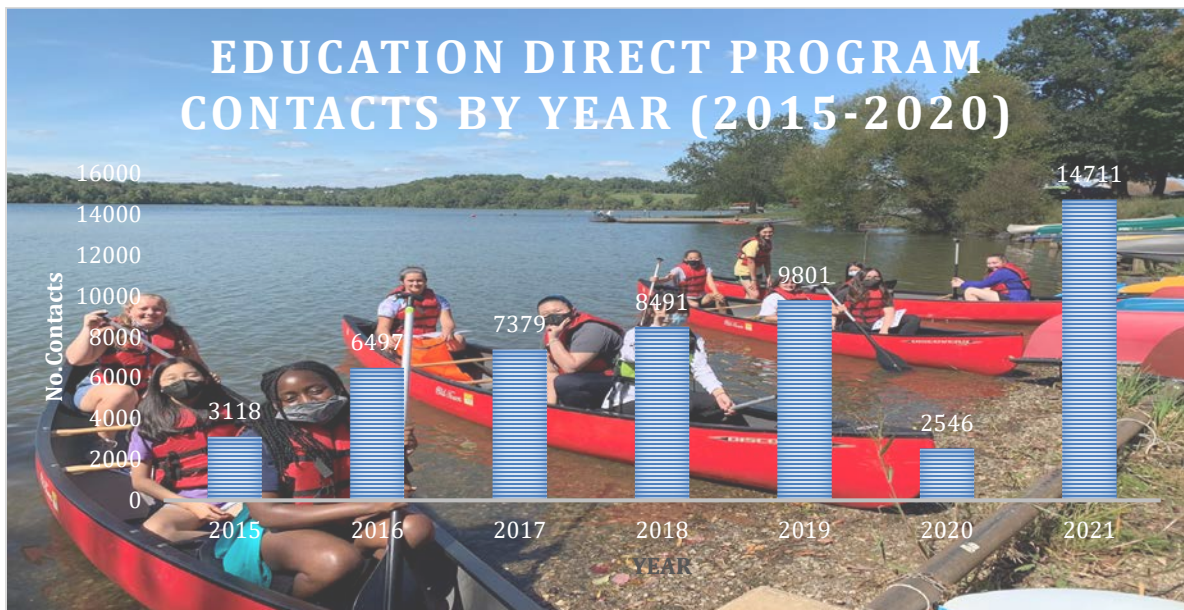
–Teacher, Hambright Elementary School

“Stroud's programming is thoughtful, creative, well-organized and standards-aligned. Our students were able to take away key concepts about watershed health and stewardship while having a blast outside!

–Teacher, West Chester Area School District

“We had an awesome time. My class is so excited about freshwater ecology and they thoroughly enjoyed their time at Stroud. They are eager to conduct the same research back here at the high school!

–Teacher, West Chester East High School



Direct Program Numbers from 2015-2021. Note: Direct program contacts include audiences of students, adults, educators, administrators, and the general public who have engaged in a live (virtual or in-person) event.

**The education department includes 17 educators and celebrates 30 years delivering watershed education!**