

Education Specialist

STROUD WATER RESEARCH CENTER'S MISSION

The Stroud Water Research Center advances knowledge and stewardship of freshwater systems through global research, education, and watershed restoration.

POSITION DESCRIPTION

The Education Department at Stroud Water Research Center is seeking a highly skilled educator to implement grants and other sponsored projects and to lead education programs for a wide range of audiences. Projects include creating education curricula, developing and leading training programs, developing use of educational technologies, and conducting other outreach to communicate the broader impacts of our education, freshwater science, and watershed restoration activities to expanding audiences. The education specialist will also teach watershed education programs for schools and other youth and adult groups (please refer to the [Stroud Center's Education Department](#) webpages for more information about our education programs). Our primary audience includes PreK-12 students in developmentally appropriate stream study programs and adults in professional development programs. Most programs take place at Stroud Center headquarters in Avondale, Pennsylvania. Off-site venues are used when appropriate to meet the needs of audiences. Other duties include delivery of additional education, outreach, and training programs for audiences of all ages in the community (e.g., scout groups, family programs, citizen scientists, educators, and other professionals).

The typical work week is normal business hours Monday through Friday with some evening and weekend programs. This is a full-time position renewable on a yearly basis dependent on funding availability and performance. The position is funded by sponsored projects and program revenue and is expected to continue into the future. The position reports to the Director of Education and works with the entire Education Department.

PRIMARY DUTIES

Sponsored Projects:

- Work independently and collaboratively with the education team to accomplish deliverables of sponsored projects such as but not limited to creating and implementing education curricula, training programs, developing use of educational technologies, and conducting other outreach to communicate the broader impacts of our education, freshwater science, and watershed restoration activities.
- Evaluate sponsored projects, including data collection and analysis.
- Write interim and final reports or sections of reports for funded projects.
- Prepare proposals or sections of proposals for future funding.

Program Delivery and Outreach Duties:

- Teach environmental education programs to a wide variety of audiences, primarily stream study programs for grades 4-12 students. Instructional stations may include macroinvertebrate bioassessment, water chemistry, sustainable building tour, stream habitat assessment, stream and watershed ecology, and other topics designed and selected for school programs.
- Contribute to evaluation, revision, and expansion of programs.
- Provide professional development (PD) to teachers and nonformal educators. Train citizen scientists and watershed professionals. PD and training programs include advancing knowledge of watersheds, stream features and parameters, monitoring protocols, water science technologies, etc.
- Staff exhibit tables and present at community events and conferences.
- Write articles for newsletters and press releases and create advertising materials for events.
- Assist in training interns, part-time educators, and other educators.
- Assist with other department operations as assigned by the director of education.

MINIMUM QUALIFICATIONS AND JOB EXPECTATIONS

Applicants should have demonstrated relevant experience in watershed education, subject matter and education knowledge, and ability to interact with participants of all ages and types in an engaging educational and professional manner. Applicants should have an undergraduate degree in science education, environmental education, or closely related education field. Applicants with a science degree related to streams and rivers along with experience in education and outreach may also be considered. Our programs include leading hands-on stream study activities so applicants must be physically able to access streams, walk and stand for extended periods of time, and be able to carry scientific equipment to and from streams and events (at least 25 lbs.).

PREFERRED QUALIFICATIONS

Applicants with teaching credentials for PreK-12, experienced environmental educators, interpreters of natural history/science, trainers of citizen scientists and watershed professionals, or who have three years of related prior work experiences in water education and outreach, are preferred. Prior experience writing successful proposals, implementing and evaluating sponsored project deliverables, and writing reports is also preferable as is prior work with instructional and stream technologies (Smart Board, education and science mobile apps, GIS, water-quality sensors, other water-quality data collection instruments, etc.) .

EMPLOYMENT REQUIREMENTS AND PROCESS

- Submit a cover letter (including relevant education program and grant project implementation experiences) and resume (including contacts for three professional references). All applications MUST be submitted online. All attached files, preferably aggregated as one PDF, should start with the applicant's last name in the file name. Review of applications will begin April 9, 2018. Finalists will be interviewed in person or by video conference. Intended start of employment is shortly after a candidate is selected. The job announcement is posted on the Stroud Center employment webpage (<http://www.stroudcenter.org/jobs/>).
- All educators must complete and submit background checks and clearances as detailed in the Stroud Water Research Center Policy PD 14 SWRC Child Abuse Policy and Risk Management Program and have a valid driver's license and a clean driving record. This documentation is not needed at the time of application but is a condition of employment. The Stroud Center will reimburse employees upon hire for the costs of these clearances and background checks. Relevant fishing licenses and collection permits are also required and will be reimbursed.

SALARY AND BENEFITS

The education specialist is a full-time salaried position with competitive pay that will be commensurate with experience. Salaried employees are eligible for health care benefits and for participation in the pension/defined-benefit retirement plan. The position is funded by sponsored projects and program revenue and is renewed on a yearly basis based on funding availability and performance.

ABOUT STROUD WATER RESEARCH CENTER

[Stroud™ Water Research Center](http://www.stroudcenter.org) seeks to advance knowledge and stewardship of fresh water through global research, education, and watershed restoration and to help businesses, landowners, policymakers, and individuals make informed decisions that affect water quality and availability around the world. Since its creation in 1967, teams of scientists have conducted pioneering research on streams and rivers locally, regionally, and throughout the world. Today, the Stroud Center's research team blends its talents in chemistry, microbiology, aquatic entomology (insects and other invertebrates), ichthyology (fish), hydrology, fluvial geomorphology, and ecosystem modeling in collaborative studies of the physical, chemical, and biological processes of streams and rivers. The Stroud Center's Education staff helps to interpret our research findings and builds education programs about freshwater ecology, management, and stewardship for a wide audience. The Stroud Center's Watershed Restoration Group develops and implements watershed restoration programs that connect landowners, stakeholders, and the general public with best management practices for conserving, restoring, and protecting watersheds. While we work in watersheds all over the world, most of our ideas are generated and pilot tested at



the Stroud Center's main campus in the White Clay Creek experimental watershed where the Stroud Center has a 50-year research and monitoring record within a unique facility that includes indoor "wet" labs and streamside flumes fed by flowing water pumped in from the creek on our property.

In 2012, the Stroud Center expanded its campus to 50 acres and constructed a LEED Platinum-certified building for education and public outreach, the Moorhead Environmental Complex. Learn more at stroudcenter.org/about/facilities/mec.

Stroud Water Research Center is an independent, nonadvocacy 501(c)(3) not-for-profit organization. Stroud Water Research Center is an Equal Opportunity Employer.