Students from Salem-Greensburg Middle School studying soil quality and erosion at a park near their school.

Photo by Megan Seifert
Dear Headwaters Supporters,

2018 was a year of outstanding growth for Headwaters. Thank you for supporting student curiosity and the pursuit of scientific discovery.

With your help, we are developing the next generation of scientists and critical thinkers. We envision and are working to build a society of more informed decision makers who can help us solve the 21st century’s biggest challenges in the sciences, and the world.

In an effort to better connect you, our donors, with our programs, in 2018 we started an ongoing event series called Celebrate Science. Four times per year we gather students from our programs to present their research to any interested donors, supporters, and teachers. These events are a great opportunity for people to see what Headwaters programs are really all about. Our students’ research says more about the great impacts of our programs than anything we can ever put in writing. We highly recommend that you join us in 2019. We will be offering one evening each in Sacramento, Truckee, Reno, and the Bay Area, with our Truckee presentation coming up this July.

In another effort to improve our programs, we will be starting a volunteer program in the fall of 2019. Be on the lookout for more information on how you can help us during programs. This will be another great way to see the impactful research that students are conducting firsthand and help us with our mission of fostering curiosity through science.

We are grateful to all of you, as well as our staff, for investing in science, the environment, and our future. We feel honored to provide high-impact science education to thousands of youth and, as a result, change the course of the lives of so many students. We are proud to report over worked with more than 1,600 new students in 2018.

In this last year we have been working hard to measure the impacts that we are making. We are collecting data on our programs in the same way that our students measure differences or changes in nature. We are excited to share our most exciting findings with you in this report.

Best,

Andy Giordano, Board President
Megan Seifert, PhD, Executive Director
Mission Statement
To foster curiosity through science.

2018 Program Highlights

Students who do a three- to five-day Headwaters program are more confident in their ability to apply the scientific method after our program. We see a 23% increase in their confidence in applying the scientific method and 28% increase in how they view the scientific process. This leads to a 9% increase in the number of students who report interest in a career in science.

We are helping teachers to train and prepare the next generation of scientists. In today’s world, in which science jobs are being created faster than most other careers, it is important to help students become more excited about these types of jobs.

Thanks to you, Headwaters brings our incredible programs to students and schools that couldn’t otherwise enjoy these opportunities.
“SCIENCE IS FUN. SCIENCE IS CURiosity. WE ALL HAVE NATURAL CURiosity. SCIENCE IS A PROCESS OF INVESTIGATING. IT’S POsING QUESTIONS AND COMING UP WITH A METHOD. IT’S DELvING IN.”

–Sally Ride

We use students’ natural curiosity to help them understand the world. By teaching them to ask questions and find their answers through research, we give them skills to harness their curiosity. Our programs are centered on student curiosity because that is what motivates young people to learn. We teach them to capture their curiosity so they can develop a passion for learning throughout their lives.

During our programs students learn to ask and answer their own questions; we believe that this experience will nurture their curiosity and pique their interest in science. Research shows that curious kids grow into successful adults. We are building a generation of successful, curious, engaged students who are prepared for the future.

“KNOWING THE ANSWERS WILL HELP YOU IN SCHOOL. KNOWING HOW TO QUESTION WILL HELP YOU IN LIFE.”

–Warren Berger

Students learn to use their curiosity to write and find answers to their scientific questions. Something that they don’t usually get to do in their regular classroom.

We have doubled the number of students served every year and with support from our donors Headwaters is on track to achieve our outreach goals in 2019.
Headwaters Financial Report

- 90% of our expenditure goes towards providing great educational experiences.
- Only 10% goes to overhead and fundraising.
- We grew our programs by 188% from 2017 to 2018.

<table>
<thead>
<tr>
<th>-Fiscal Year ends December 31st</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Funding Sources</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Donations</td>
<td>$46,537</td>
<td>$45,137</td>
<td>$55,648</td>
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<tr>
<td>Program Fees</td>
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<tr>
<td>Grants</td>
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<td><strong>Total Revenue</strong></td>
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<tr>
<td><strong>Expenditure</strong></td>
<td></td>
<td></td>
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<tr>
<td>Programs</td>
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<tr>
<td>Scholarships</td>
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<td>$18,313</td>
<td>$31,522</td>
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<tr>
<td>Program Pay</td>
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<td>$23,160</td>
<td>$37,723</td>
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<tr>
<td>Program Lodging</td>
<td>$8,986</td>
<td>$6,775</td>
<td>$12,736</td>
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<tr>
<td>Program Materials</td>
<td>$6,231</td>
<td>$13,547</td>
<td>$19,991</td>
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<tr>
<td><strong>Total Program Costs</strong></td>
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<td>$61,795</td>
<td>$101,971</td>
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<tr>
<td>Fundraising</td>
<td>$5,167</td>
<td>$7,854</td>
<td>$5,952</td>
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<tr>
<td>Administrative</td>
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<td>$5,920</td>
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<tr>
<td><strong>Total Expenditure</strong></td>
<td>$49,326</td>
<td>$77,002</td>
<td>$113,843</td>
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<tr>
<td>Increase in Net Assets</td>
<td>$40,128</td>
<td>$11,109</td>
<td>$34,180</td>
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</table>

We are able to subsidize program costs through the support of our donors and grants. These generous donations allow us to continue to provide great educational opportunities to more students in 2019.

Headwaters works hard to keep overhead low and use the bulk of its funds to implement our mission.
Headwaters Science Institute
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2. Escript- Signup with escript with Headwaters group ID (500824550) and you can
give back to Headwaters anytime you shop online or when you are dining out.

2018 Donors

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Greensburg, PA

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Celeste Reid
Sayone Thihalolipavan
Jason Todd
“Headwaters teaches things that are never taught in my classroom.”

- Quarry Lane student