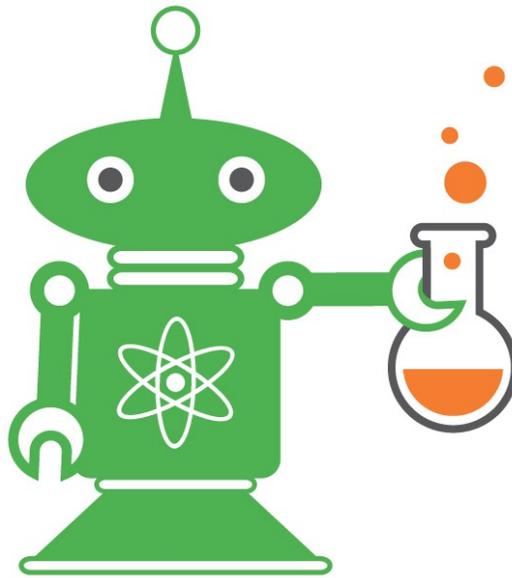


2013 Annual Report



SCIENCE

FROM SCIENTISTS

Letter from the Founder & Chairman of the Board

With each year that passes, Science from Scientists grows stronger and more influential as a STEM program provider in Massachusetts. We have once again shown quantitative proof that our program significantly improves interest in science and performance on MCAS testing by increasing proficient and above scores by more than 10 percentage points.

2013 marks our most important year yet. Despite shrinking philanthropic budgets, our budget has grown as a result of the creation of "The Secret Science Club" and increased development outreach. We were able to secure an @Scale endorsement from the state of Massachusetts which we are extremely proud of and hope that this will further strengthen our position as one of the leading STEM program providers in the state. We believe this distinction will help us as we make plans to scale and expand our programming.

Internally, we are making efforts to further streamline our lesson plan creation protocols as well as making improvements to our quizzes and assessment protocols. As a result, students in our year-long programs show continued gains in MCAS scores and on our post tests. We are one of the only STEM organizations which tracks these scores making us truly unique.

As we look to 2014, I am seeing emerging opportunities for SfS. Large corporations have invested significant resources in developing e-learning materials because of ease and potential reach. Additionally, the Khan academy, MIT, and other leaders in e-learning have gained support and publicity. Increasingly, these e-learning programs are being shown to be very effective teaching the educated and motivated but ineffective at reaching the masses they were intended to benefit. It is my opinion that education for most requires a teacher to motivate and inspire the student. An interesting article listed below describes this:

<http://chronicle.com/blognetwork/castingoutnines/2012/07/03/the-trouble-with-khan-academy/>

Also, this fascinating article written recently by the New York Times discusses the challenge of online courses reaching those who may need it most:

<http://www.nytimes.com/2013/12/11/us/after-setbacks-online-courses-are-rethought.html>

SfS is proving out to be an extremely effective model for delivering content and our scalable platform where we utilize under employed experts in partnership with teachers may have profound impact on education in upcoming years.

I am excited for 2014.

Erika Ebbel Angle, Executive Chairman & Founder



Board

- Colin Angle, CEO iRobot
- Erika Ebbel Angle, CEO Counterpoint Health Sol.
- Jim Ellard, CEO New England Biolabs
- Patricia Haddad, MA State Representative
- Richard Merrill, Chemistry Teacher (retired)
- Judd Rottenberg, Long's Jewelers

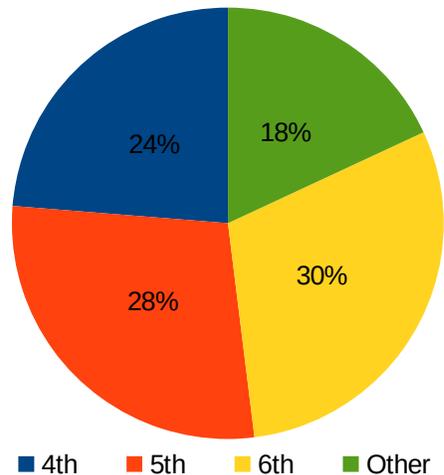
Quick Facts

“ I love having the scientists come in. They are an excellent addition to the class and the students continually look forward to their visits!!

— 6th grade teacher, Chelsea

- 58% of our students are non-Caucasian.
- Parents can read about what their children are learning with Science from Scientists and see photographs of activities in a new private section of our website. We have also begun producing downloadable content for students to continue learning and experimenting at home.
- More than 200 owl pellets picked apart and 100 sheep eyes dissected in 2013.
- New lessons on materials strength, density, the periodic table, animal camouflage & statistics.

Grade Level of Students Served



Students studying samples in our first vacation program

- Proficient/Advanced scores for 5th grade MCAS in Science-Technology-Engineering at participating schools have experienced an average 23 % increase.

“SfS” has given me the opportunity to become a better Science Instructor by sharing with Science Professionals within your organization.

— 5th Grade Teacher, Revere

- SfS is a registered Professional Development Point provider. Teachers participating in module-based instruction may receive PDP for recertification.
- Nearly two thirds of our students are low-income.
- In August two dozen students spent a week exploring museums and labs at MIT in our first vacation program collaboration with the Whitehead Institute.



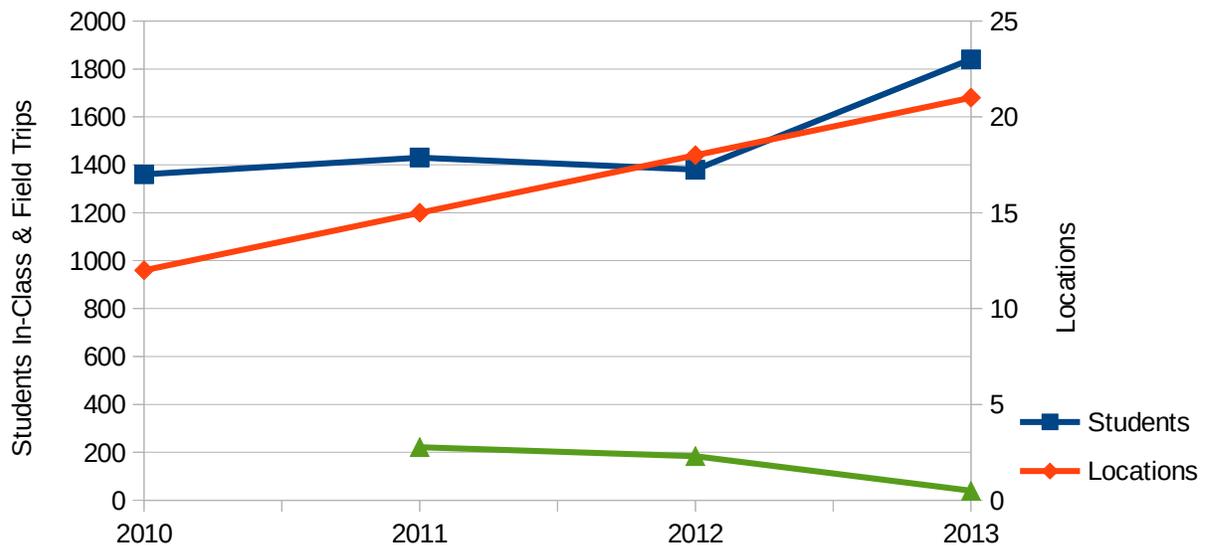
Dr Erika with a Rubens tube at a Science Theater show

“ We love Science from Scientists. It allows the children to be exposed and learn about things that we would not normally do. Also the hands on activities are exceptional because due to school budgets we wouldn't have been able to provide these things to our students.

— 5th grade teacher, Everett

Program Overview

Program: Module-based Instruction



Offered as a year-long in-class instructional program, Science from Scientists designs and teaches STEM lessons to students in grades 4–8. Our materials support and extend the Massachusetts Department of Education curriculum frameworks with instructional discussions and hands-on activities. We are constantly revising current lessons, while at the same time developing new lesson plans. Our lessons cover curriculum in a large variety of topics including chemistry, life sciences, physics, earth science, engineering and the scientific method. Exploratory field trips can also be arranged to a variety of locations including the Museum of Science, New England Aquarium and MIT Museum.

Program: Science Fair

Science from Scientists assists teachers and instructs students through the science fair process from start to finish. Students learn about the scientific method, experimental design, data analysis, and creating an attractive, informative and succinct display. We are able to offer schools aid throughout the entire science fair process by: administering a science fair, offering additional guidance as tutors, or serving as judges.

SfS partnered with Boston Public Schools (BPS) to assist in organizing and running the Boston Citywide Science Fair where nearly 400 Boston Middle School and High School students presented their projects during the fair. We assisted BPS in organizing a Science Fair Workshop for teachers, led fundraising efforts, recruited science fair mentors to assist students in designing their project, and recruited approximately 100 STEM professionals to judge the Regional Science Fair. We look forward to continuing this partnership at next year's Boston Citywide Science Fair.

SfS ran the annual Science Fair at Cohen Hillel Academy as a Science Expo. Not only were the students able to present traditional science fair projects, but they were also able to work on projects like Reverse Engineering, Rube Goldberg Machines, Inventions, and Scientific inquiry.

Program: CSI Experience

We create a comprehensive forensic science mystery for students to explore and solve. Students are guided through a fun and informative experience with hands-on activities grounded in a customized storyline. In 2013, approximately 125 students participated in 2 such events. In the first event, Sfs worked with Councilor Tito Jackson to bring a CSI program to many students in his district. The event was held at Northeastern University and through our partnership we were able to reach students outside the classroom in this hands-on experience. The second event was a Corporate CSI day to thank our donors and sponsors. At this event held at the Whitehead Institute, we were able to customize the CSI experience to a wide range of students in grades 4-8, giving the older students an additional challenge in their evidence which created a more exciting result.

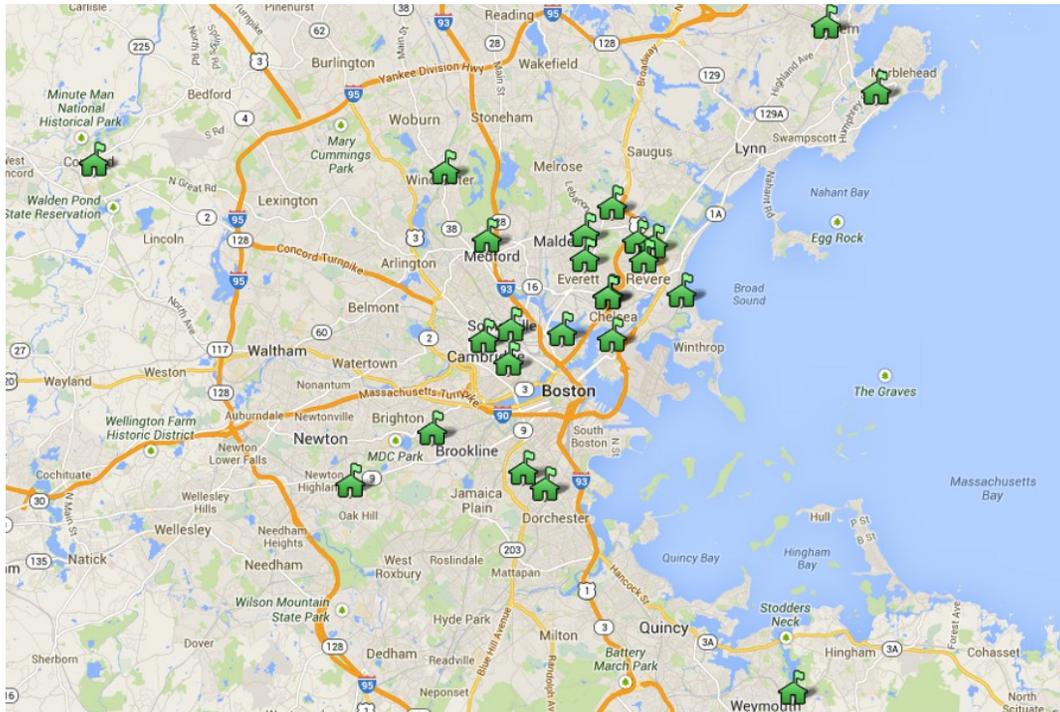
Program: Special Events & Outreach

Science from Scientists' public outreach efforts include numerous Science Theater shows (large science demonstrations), tables and booths at many events, and a vacation program at The Whitehead Institute. In January and February, we started our Science Theater program with three shows at Patriot Place sponsored by Raytheon. We went on to present shows for the Boys Scouts, Girl Scouts, Girls Inc., and Camp EXPLO. We had a booth at the American Association for the Advancement of Science and tables at Boston Parks events, Cambridge Science Festival, WPI, the Massachusetts Middle School State Science Fair, and the Boston Public Schools Middle Orientation event.

Program: Vacation Sessions

In 2013, Sfs initiated a partnership with The Whitehead Institute to develop and supply exciting STEM vacation programs for middle school students. We piloted a week-long vacation program, "CampBio," which served 25 students this August. The Whitehead Institute provided the facilities and conducted activities including lab tours. Our instructors led the students through Sfs lessons and participated in STEM career panels. The capstone of the week-long program was an Sfs Science Theater stage show.

Program Recipients



	Since	Grades	Students	Minority	Low Income
<u>Alcott Elementary School</u> , Concord	2012	5	80	23.8%	7.3%
<u>Beachmont Veterans Memorial School</u> , Revere	2008	4&5	100	51.1%	73.7%
<u>Boys & Girls Club</u> of Cambridge & Medford	2011	3–6	30	N/A	
Joseph A. <u>Browne School</u> , Chelsea	2010	6	90	92.8%	93.0%
<u>Cohen Hill</u> Academy, Marblehead	2006	4–6	60	N/A	
<u>Collins Middle School</u> , Salem	2102	7	90	46.5%	62.4%
Lilla G. <u>Frederick Middle School</u> , Boston	2012	6	140	96.7%	80.5%
<u>Lafayette School</u> , Everett	2007	7	90	60.1%	76.6%
Abraham <u>Lincoln School</u> , Revere	2007	4&5	170	53.0%	68.9%
<u>Linden Steam Academy</u> , Malden	2012	5	80	62.6%	57.5%
<u>McCall Middle School</u> , Winchester	2010	8	100	19.7%	6.3%
William <u>McKinley Elementary</u> , Revere	2007	4&5	60	67.9%	85.2%
<u>Oak Hill Middle School</u> , Newton	2011	6	90	36.5%	10.7%
<u>Otis Elementary School</u> , Boston	2012	4&5	90	89.8%	75.5%
Albert N. <u>Parlin School</u> , Everett	2007	6	100	76.0%	88.5%
Lawrence W. <u>Pingree School</u> , Weymouth	2012	4	40	13.5%	26.9%
John D. <u>Runkle School</u> , Brookline	2010	4	20	41.9%	8.6%
<u>Warren-Prescott School</u> , Charlestown	2012	5,7†&8	80	44.1%	49.0%
A.C. <u>Whelan Elementary</u> , Revere	2008	4	150	41.6%	64.6%
Sumner G. <u>Whittier School</u> , Everett	2008	5	60	75.2%	90.6%
Eugene <u>Wright Science & Technology Academy</u> , Chelsea	2010	6	120	90.7%	91.1%
TOTAL	<i>Students served figures are approximate</i>		1800	57.5%	60.6%

† Special education class.

Financial Summary

- Approximate total cash budget: \$373,000
 - Approximate budget including all in-kind donations (100% programming): \$457,000
- Cost of in-school module-based program at 21 schools: \$250,000
 - Cost per school: \$12,000
 - Cost per student per year: approximately \$139
- Cost of outreach and science fair programs: \$123,000
 - Includes \$20,000 raised on behalf of Boston Regional Science Fair

Benefactors

“We would like to express our extreme gratitude to those corporations, foundations and individuals who help to support Science from Scientists. Your financial and in-kind donations help to make our programs possible in the community. Thank you very much.”

— Erika Ebbel Angle, Executive Chairman and Founder

Gold Donors (\$25,000-\$99,999)

Amgen
Comcast
Commonwealth of Massachusetts
(STEM Initiative @Scale Awardee)
Gelfand Family Charitable Trust

Bronze (\$5,000-\$9,999)

BJ's Wholesale Club
Kinder Morgan
Krupp Family Foundation

Silver (\$10,000-\$24,999)

Cubist
Genzyme
Liberty Mutual Foundation
New England Biolabs
Tides Foundation (Google Community Grants)
TUGG – Technology Underwriting Greater Good

Patron (\$500-\$4,999)

ALX Copiers
Bose Corporation
The Boston Foundation
EMD Serono
Foundation to be Named Later (Red Sox)
GMA Foundations
Northeastern University

And the generous support of numerous private donors.