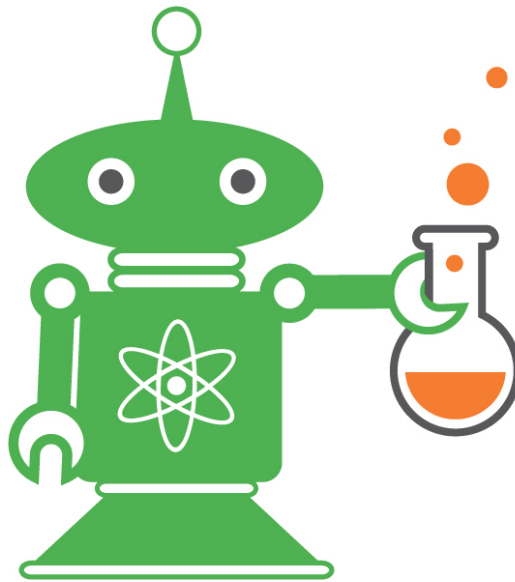


2012 Annual Report



SCIENCE

FROM SCIENTISTS

Letter from the CEO

2012 has been a pivotal and transformational year for Science from Scientists (SfS) and we are excited and optimistic looking forward to 2013 despite forecasted economic challenges. In the last year we were successfully able to meet a number of our board's challenges and have been working to continue increasing the awareness of the public in both the corporate and educational spaces about Science from Scientists' programs. The quality and quantity of our staff has grown and we have been putting more energy into fundraising, as many of our limitations are fundraising dependent. We have been fortunate to maintain the financial support of many and to have earned new support.

In these times of intense global competitiveness, we believe it is imperative for students to be knowledgeable and versatile in STEM (science, technology, engineering and math) related subjects. Science from Scientists aims to bring world-class scientists into the classrooms during school to teach challenging hands-on, frameworks relevant material to increase aptitudes and attitudes in STEM related subjects. Our commitment to working with students remains year-long on a bi-weekly basis. New programs which will be added in the next FY include our professional development point program. Our goal is to help train classroom teachers in becoming better science teachers by offering them PDP credits. We have also created a "parent section" of the website which allows parents a "window into the school day" and an opportunity to enjoy additional science experiments (provided on the website) created by Science from Scientists.

Science from Scientists has been consistently growing over the last several years. 2012 was no exception. We hired our second full-time employee and a development staffer to assist with fundraising. We continue to add numerous additional schools and support staff, finishing up the year with programs running in new communities such as Boston and Swampscott. In total, we reached 2000 students in the greater Boston area.

We have several new programs coming for 2013 which are very exciting. We were asked to co-run the Boston Regional Science Fair by The Boston Public Schools and Pam Pelletier (STEM Director). We are also hoping to participate in additional projects with the Boston Parks Association for the summer of 2013. Lastly, with the help of Josh Seftel and Jill Landaker we are reaching out to potential network partners with the Dr. Erika show in hopes of finding it "a home."

Fundraising has been challenging, and will likely continue to be. We have reached out to over a dozen new funding sources and have reapplied for a robotics curriculum development grant through the NSF.

We have put effort into raising awareness about SfS, attending events, giving presentations and reaching out to media sources as possible. I was fortunate to be a panelist at the STEM Summit at Gillette Stadium, the keynote speaker at the Girl Scouts of Eastern Massachusetts STEM Conference in 2012, to be the emcee at the Science Club for Girls Catalyst Awards and to have been invited to speak with numerous organizations about Science from Scientists. Alison Fraser has been instrumental in attending events and writing grants, further exposing STEM thought leaders to SfS programming. Andrew Solomon has "raised our game" by running several highly successful events and sets the standard for teaching in the classroom. Jerrad Pierce continues to create content which is singled out as being of the highest quality. Alicia Bielik continues to find ways to fit our 20 instructors into schedules that work for staff and schools alike and recruit staff so that we have the finest instructors. Maureen Griffin is playing an increasingly critical role as this growing company requires a more sophisticated budget tracking system.

The strength of this team is in working together and trying always to improve the quality of the program. It is a pleasure for me, as always to work with such an exceptional group.

In conclusion, I received an email from an alumna of the program who was in the 5th grade back when SfS piloted in 2005 at Cohen Hillel Academy. She was one of my students and sent me an email telling me I was her “hero” and that she wanted to become a chemist when she grew up. There are many motivating factors for why SfS is important, but I was truly humbled by the simple fact that I had impact on a child who was now 15 and still remembered what she learned 6 years prior.

Looking forward to a fantastic and even more successful 2013.

A handwritten signature in black ink that reads "Erika Ebbel Angle". The signature is written in a cursive, flowing style.

Erika Ebbel Angle, CEO and Founder

Board

- Colin Angle, CEO iRobot
- Erika Ebbel Angle, CEO SfS
- Jim Ellard, CEO New England Biolabs
- Patricia Haddad, MA State Representative
- Patricia Lamarre, MA Dept. of Transportation
- Richard Merrill, Chemistry Teacher (retired)
- Josh Seftel, Television Director
- Isa Kaftal Zimmerman, IKZ Advisors

Executive Staff

- Erika Ebbel Angle, Chief Executive Officer
- Alicia Bielik, Chief Operations Officer
- Alison Fraser, Director of Development
- Maureen Griffin, Chief Financial Officer
- Jerrad Pierce, Chief Programs Officer
- Andrew Solomon, Director of Education

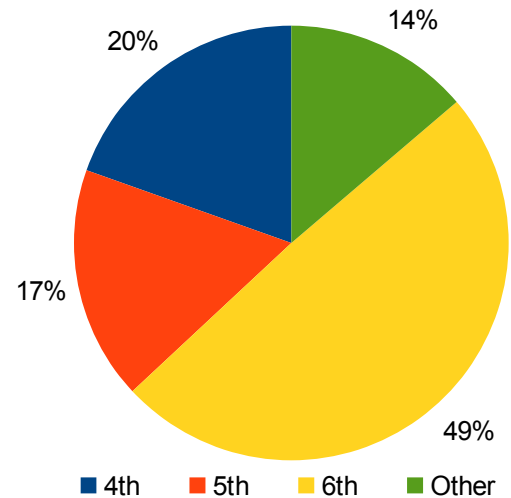
Quick Facts

“ This is a wonderful program. I look forward to this opportunity being available next year too. Not only do the students learn from it, but I, as the teacher, get ideas on how to teach science as well.

— 4th grade teacher, Revere

- 60% of our students are non-Caucasian.
- Half of our lessons include a document to help Teachers prepare for a module and better integrate it into their classroom.
- Over 2000 budding scientists' curiosity piqued.
- More than half of our students are low-income.
- We revised one fourth of our lessons in the summer of 2012 to better address MCAS requirements.
- 60 6th grade students from Albert N. Parlin School got a sneak peak at a college classroom, played with robots and were amazed by holograms at MIT

Grade Level of Students Served



“ 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

Left: Playing with patterns formed by disrupting surface tension.

Right: Working to identify an unknown powder during CSI day.

- 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.
- 84 8th grade students from Orchard Gardens sought treasure at the Museum of Science.
- SfS is a registered Professional Development Point provider. Teachers participating in module-based instruction may receive PDP for recertification.



“ S.F.S is awesome!!!! the projects we do are very exciting. I always learn something new. How do you guys come up with such great experiments? — 6th grade student, Newton

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 our lesson plans, and develop a handful of new ones each year. These span the curriculum from acids to viscosity, cells to fossils & cartography to xanthan gum. Exploratory field trips can also be arranged to a variety of locations including the Museum of Science, New England Aquarium and MIT Museum. In 2012, 1400 students at 18 schools benefited from regularly scheduled hands-on experimentation led by passionate scientists.

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. Over 100 students in 2 schools received project guidance from our instructors in 2012.

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 2012, approximately 220 students participated in 3 such events.

Program: The Dr. Erika Show

“The Dr. Erika Show” makes science accessible for elementary and middle school students across New England. Dr. Erika is a 2004 graduate of MIT and earned a Ph.D. in biochemistry from Boston University in 2012. She was also crowned Miss Massachusetts in 2004. Leveraging Dr. Erika’s unique background, the show is designed to teach children about science, break stereotypes and make STEM subjects more approachable and entertaining. The show was executive produced by Joshua Seftel, an Emmy Award-winning filmmaker of educational programs for PBS and WBGH.

Program: Special Events & Outreach

Science from Scientists’ public outreach efforts include tables and booths at numerous special events. In July of 2012 SfS used the XFINITY Zone at Fenway Park’s Yawkey Way to educate passers-by about the physics of baseball. Our booth was also a popular destination at the Boston Parks Children’s Festival in August.



Program Recipients



Module-based Instruction

Recipient	Since	Grades	Students	Minority	Low Income
A.C. Whelan Elementary, Revere	2008	4	130	40.8%	65.3%
Albert N. Parlin School, Everett	2007	5&6	100	73.9%	84.9%
Beachmont Veterans Memorial School, Revere	2008	4&5	100	52.5%	72.2%
Boys & Girls Club of Cambridge, Medford & Somerville	2011	3-6	30	N/A	
Joseph A. Browne School, Chelsea	2010	6	90	92.3%	80.3%
Lilla G. Frederick Middle School, Boston	2012	6	120	96.8%	71.2%
Cohen Hillel Academy, Marblehead	2006	4-6	40	N/A	
McCall Middle School, Winchester	2010	8	100	19.3%	6.5%
William McKinley Elementary, Revere	2007	4&5	140	66%	85.7%
Oak Hill Middle School, Newton	2011	6	80	39.2%	10.6%
Orchard Gardens K-8 School, Boston	2012	5, 7&8	100	98.8%	71.1%
John D. Runkle School, Brookline	2010	4	20	42.2%	7.9%
Swampscott Middle School, Swampscott	2012	6	130	11.5%	14.3%
William Monroe Trotter School, Boston	2012	4&5	80	98.9%	79.5%
Sumner G. Whittier School, Everett	2008	2	40	72.4%	89.8%
Eugene Wright Science & Technology Academy, Chelsea	2010	6	90	89.7%	81.6%

Students served figures are approximate

Science Fair Assistance

- Cambridge Rindge & Latin School, Cambridge MA
- Cohen Hillel Academy, Marblehead MA

Financial Summary

- Approximate budget for 16 schools: \$271,000
- Approximate budget including value of all in-kind donation (100% programming): \$601,000
- Cost per school: approximately \$15,000
- Cost per student per year: approximately \$136

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, CEO and Founder

Platinum Donors (\$100,000+)

Comcast

Silver (\$10,000–\$24,999)

Amgen
Krupp Family Foundation
New England Biolabs
Raytheon
Tides Community Foundation (Google)
Verizon Foundation

Patron (\$500–\$4,999)

A-Cal Copiers
Bose Corporation
The Community Foundation
Massachusetts High Technology Council

Gold (\$25,000–\$99,999)

Bronze (\$5,000–\$9,999)

Shire Pharmaceuticals

And the generous support of numerous private donors.