



# Annual Report

2018

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*Cover Photo: At an outdoor STEM Festival in Alexandria, Volunteer David Klinges explains how pushing a straw through a multi-layered cupcake is like taking a soil profile to identify different layers underground.*



# RESET - Looking Back and Ahead

## *A Message from RESET's Departing Executive Director*

For the past 11 years I have had the good fortune to serve as RESET's Executive Director. During that time, it has been my pleasure to work with many RESET Board Members who have generously donated their time and talents to strengthening RESET's organization and programs. I have also met many educators who are deeply committed to all facets of their students' development, including the opportunity to experience hands-on science and math learning and to interact with STEM professionals. I have been impressed by corporate and foundation donors who share their hard-earned wealth to fund organizations including RESET. Most of all, I have been lucky to meet hundreds of volunteers who commit their time and expertise to bring their love of science and math to new generations of students. Hearing the reasons these volunteers want to share their motivations and knowledge with children has been the highlight of my time with RESET. I will carry those inspiring memories with me always.

—John Meagher

## *A Message from RESET's Incoming Executive Director*

As RESET's incoming Executive Director, every day I continue to be amazed by the commitment, resilience and vibrancy of this thirty-year old organization. RESET's impact reflects the dedication of Its Board, its staff (with special recognition to retiring Executive Director, John Meagher), the many schools, principals and teachers that work with RESET and, of course, RESET's volunteers who share their expertise, passion and enthusiasm with young students. Perhaps most important, having witnessed RESET's classroom presentations, is the excitement generated in the students whose lives we touch and whose hopes and dreams RESET inspires. It is essential to RESET's continuation and growth that its mission, history and uniquely efficient operation become more widely known; that we acknowledge and expand the base of our financial donors; and that our outreach be extended as RESET seeks to serve more students -- be it in classrooms, after-school, weekend or scouting programs. As day by day and month by month I assume my new duties, I grow more committed to RESET's founding goals and to developing the resources and support necessary to sustain and expand RESET's mission in the years ahead.

- Keith Osterhage

*John Meagher, left, and  
Keith Osterhage*

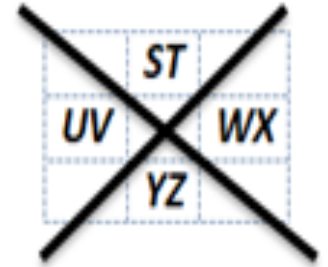
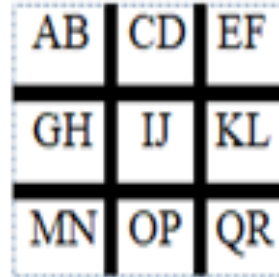




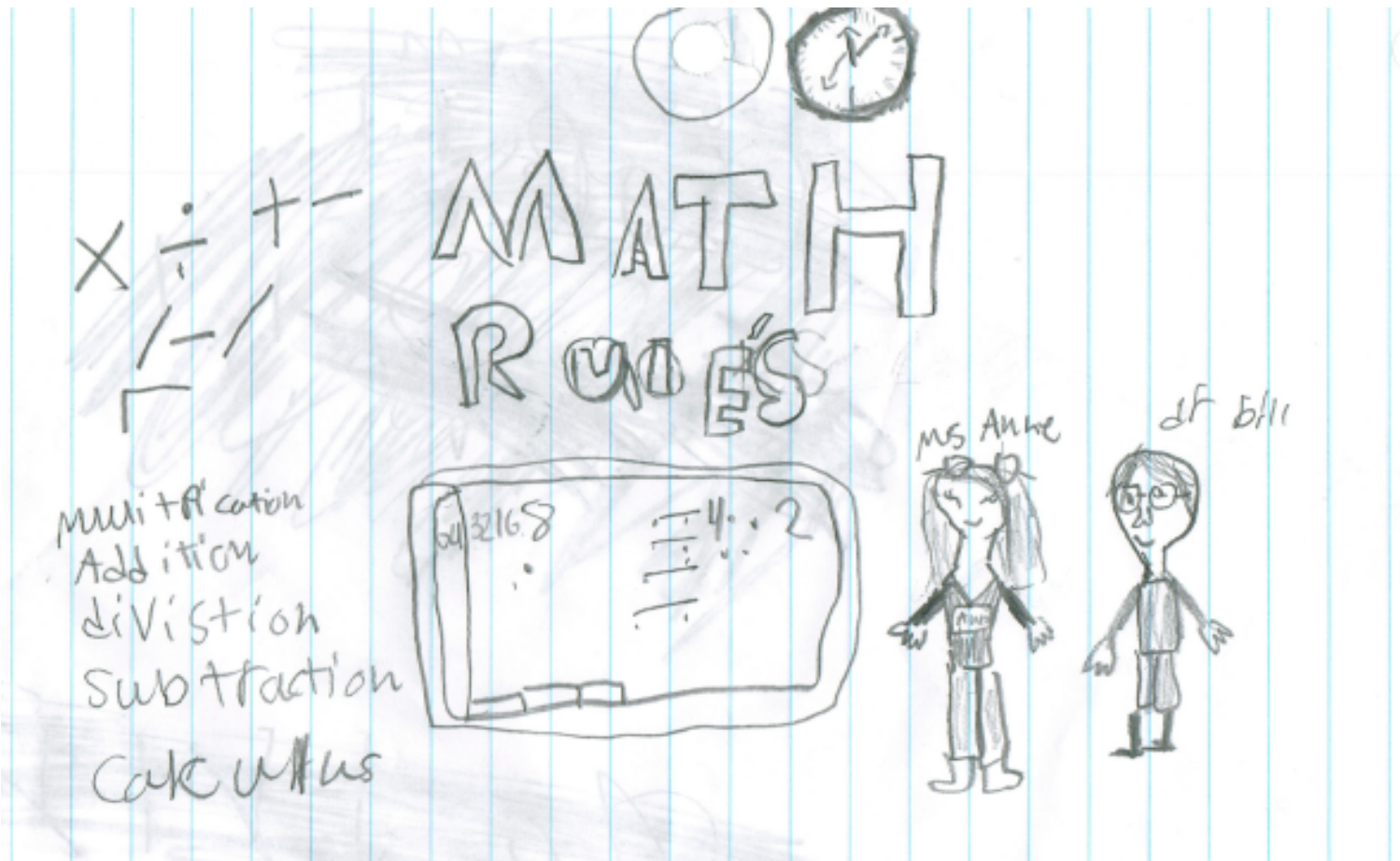
# Volunteer Anne Erickson

## Putting the “M” in STEM!

Math Enthusiast Anne Erickson volunteers with RESET because she wants kids to have fun with math. For example, with her friend Bill Rippey, she led a cryptographic treasure hunt for third graders, with six different kinds of clues. She and Bill have also played educational math games with first graders. Her favorite activity is a mathematical card trick which is sophisticated enough to impress professionals yet easy enough for elementary school students to perform.



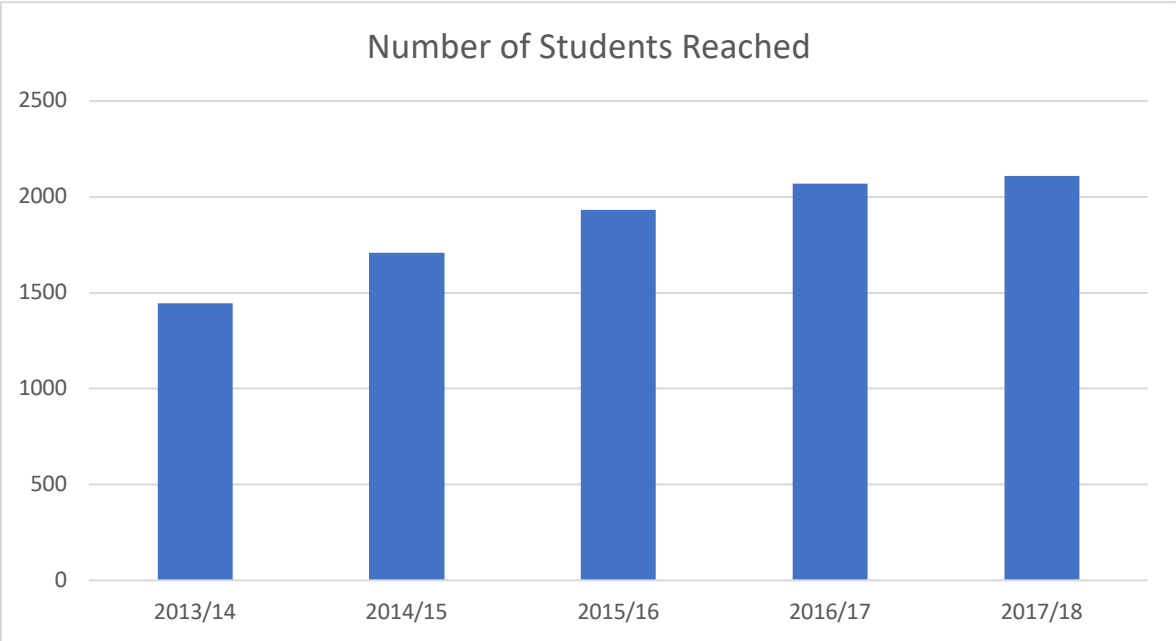
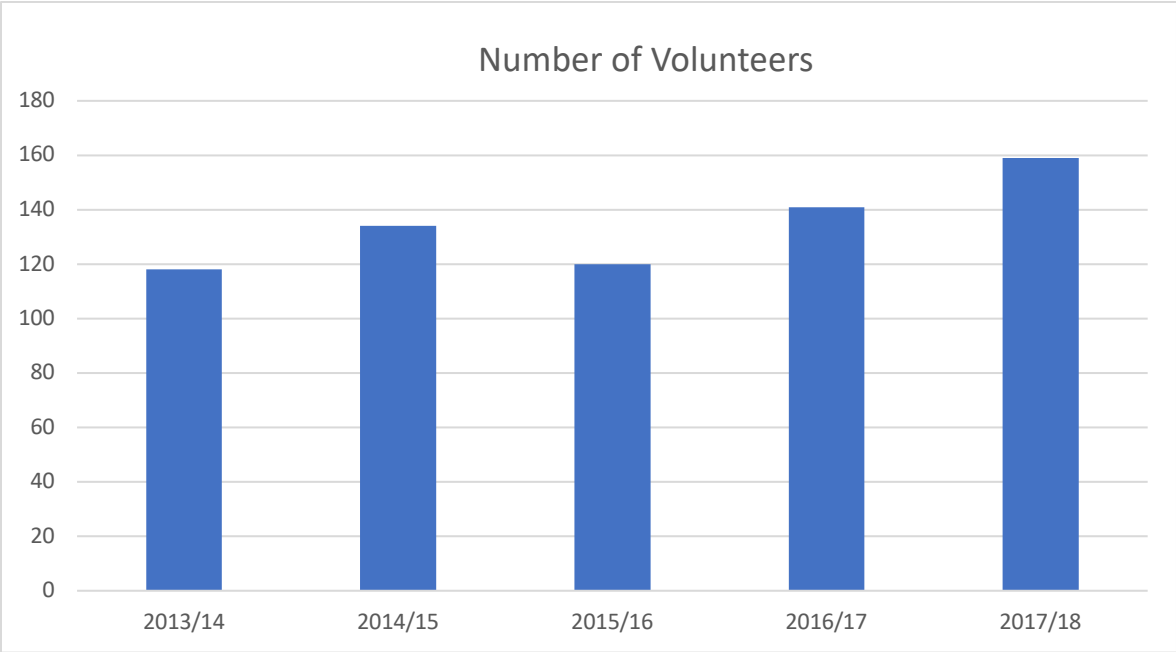
**A Pigpen Cipher, part of a Cryptography Treasure Hunt**



**A session with Anne and Bill, illustrated by a third grader at Clopper Mill Elementary School (Montgomery County)**

# RESET Program Data

The 2,108 students enrolled in RESET classroom programs during school year 2017/18 were a slight increase over the previous year, and more than in any previous school year. Since 2012, RESET has experienced significant growth in students served and active volunteers. The graphs below show this growth over a five-year period.



# Teacher Tracy Skeen

## An Ambassador for RESET

Teacher Tracy Skeen is an education ambassador for RESET. While at Laurel Ridge Elementary in Fairfax (VA), Tracy hosted RESET programs in her classrooms and helped connect RESET with other interested teachers. Last year Tracy moved to Kings Glen Elementary in Springfield (VA) and spoke to the Principal about bringing RESET to its classrooms. Once again serving as liaison for RESET, Tracy worked with teachers and RESET to bring programs on patents, physics, bridge engineering and computer science to Kings Glen fourth, fifth, and sixth graders.



*Tracy “enjoys seeing her students doing hands-on lessons as they become more and more excited about the science and math they are learning with their RESET volunteers.”*



**Tracy’s fourth grade students “suit up” for a RESET session.**



## Student Assessment Results

To measure RESET's effectiveness in achieving its goal of sparking children's enthusiasm for STEM, RESET surveys students who have completed a program. The survey instrument measures attitudes towards science learning and uses questions developed by the National Center for Education Statistics (NCES) in preparing The Nation's Report Card. With these metrics RESET can compare the responses of students in our programs with those of students nationwide who completed the NCES assessment.

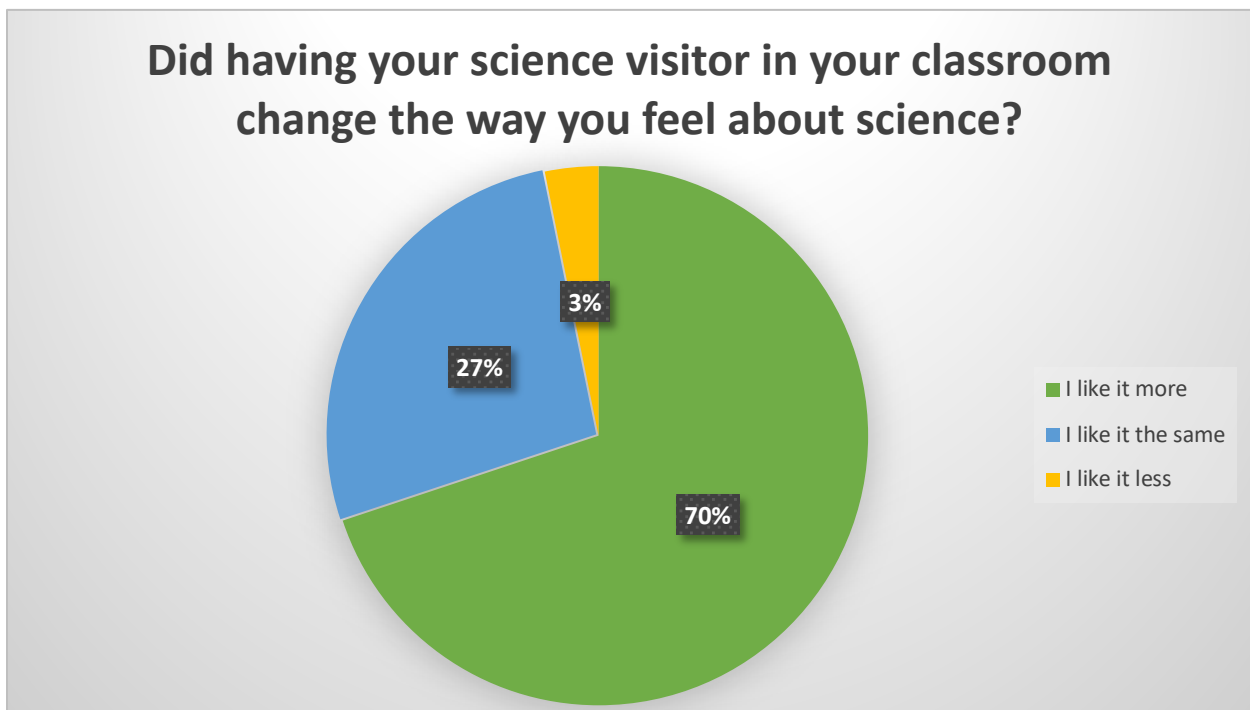
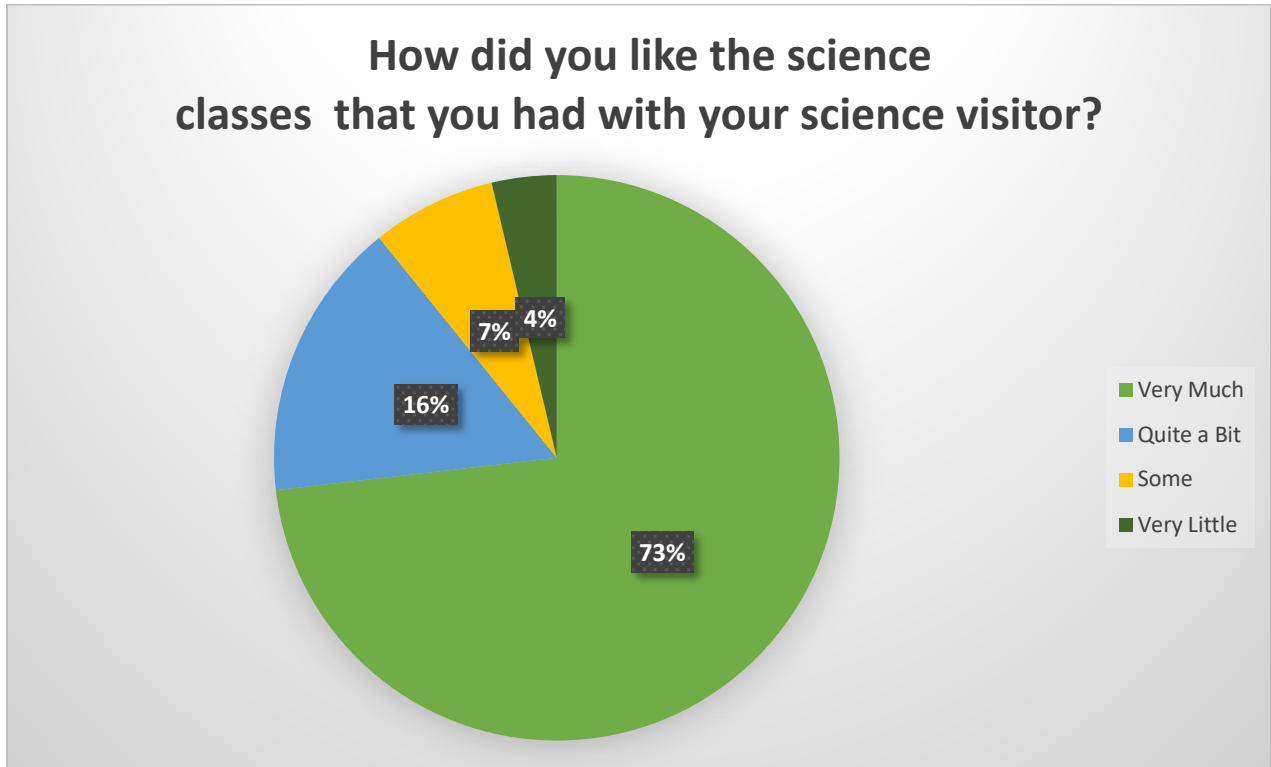
RESET received 598 responses to its Student Assessment Questionnaire in school year 2017/18. The data below show RESET's positive impact on students compared with responses of students nationwide.

How much do you like studying science?	Nationwide Results	RESET Results
Very Little or Some	41%	21%
Very Much or Quite a Bit	59%	79%



## Student Assessment Results (continued)

RESET asks several additional questions. The results below show the positive impact RESET volunteers have on student attitudes toward STEM.

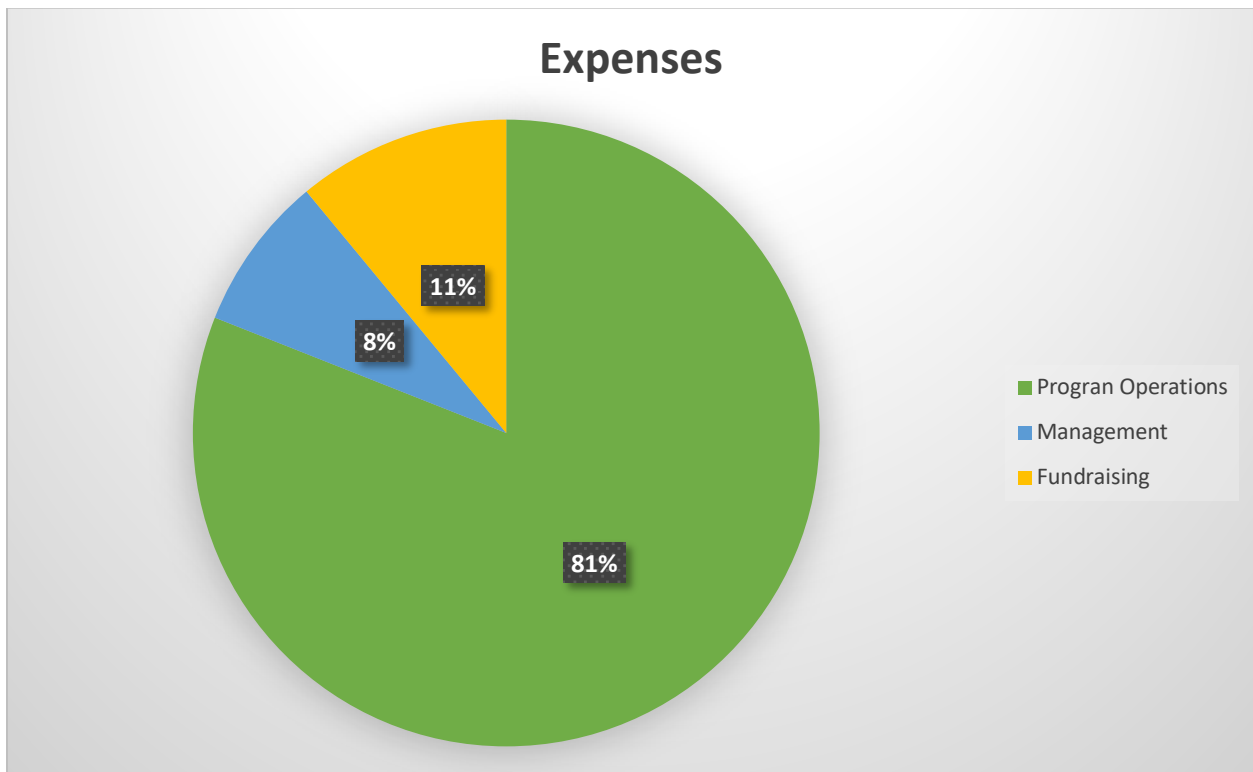




# Operating Expense Report

Although RESET's expenses exceeded its income by approximately \$2,100 in fiscal year 2018, RESET ended the year with net assets of \$88,100. RESET continues to keep its administrative and management costs at a modest level, investing a high percentage of its operating budget in the delivery of programs that support its mission.

RESET expenses include program operations staffing, classroom skills training, field trips, classroom materials, fundraising, communications and liability insurance.



# RESET Schools and Community Service Partners

RESET is grateful to our partner schools and community service organizations that help us to deliver hands-on STEM learning to children.

## District of Columbia

Amidon-Bowen Elementary—Ward 6  
DC Prep Anacostia Campus—Ward 8  
DC Prep Benning Campus—Ward 7  
DC Prep Edgewood Campus—Ward 5  
Excel Academy --- Ward 8  
Harmony Public Charter---Ward 5  
Martha's Table -- Ward 8  
Payne Elementary---Ward 6  
John W. Ross Elementary---Ward 2  
Shaw Center City Public Charter —Ward 6  
Shepherd Elementary—Ward 4  
Whittier Educational Campus—Ward 4



## Maryland

Annapolis Elementary  
Cannon Road Elementary  
Clopper Mill Elementary  
High Bridge Elementary  
Montgomery County Coalition for  
the Homeless  
Girl Scouts of America  
Princeton Elementary  
Sligo Creek Elementary  
Waugh Chapel Elementary



## Virginia

Arcola Elementary  
Barrett Elementary  
Bren Mar Park Elementary  
Buckland Mills Elementary  
Camelot Elementary  
Creighton Corner Elementary  
Cora Kelly Elementary  
Crestwood Elementary  
Drew Model School  
Ellis Elementary  
Fairhill Elementary  
Girl Scouts of Alexandria





## Virginia (Continued)

Girl Scouts of Fairfax  
Glebe Elementary  
Horizon Elementary  
INMED Partnerships for Children  
Jefferson-Houston Elementary  
Kings Glen Elementary  
Liberty Elementary  
Landmark Science Club  
Moorefield Station Elementary  
Stratford Landing Elementary  
Sugarland Elementary



## Delaware

Cab Calloway Summer Camp, New Castle  
Gravity Arts and Science Festival, New Castle  
Reeds Refuge STREAM Event, New Castle  
Route 9 Public Library, New Castle

## Vermont

J.J. Flynn Elementary, Burlington





## Volunteer Sharayu Tulpule

*“I want to instill a sense of wonder in the minds of young children.”*

Sharayu Tulpule says the best part of being an engineer was working with NASA on its space shuttle program. Sharayu is one of RESET’s most active volunteers, reaching hundreds of fourth and fifth grade students in nine different classrooms in Prince William County (VA) this year. Her topics include motion, electricity and magnetism. In one session her students assembled “Foldable Microscopes.” Buckland Mills teacher Carrie Rauch wrote: *“We thank you for bringing the RESET program to our school and look forward to working with you and Ms. Tulpule next year!”*

Sharayu started volunteering in 2016 at Buckland Mills Elementary. When Principal Connie Balkcom later became the Principal of Ellis Elementary, she asked Sharayu to bring RESET to its students. Now Sharayu leads programs at both schools. On their RESET field trip, when Sharayu shows her students the shuttle at the Udvar-Hazy Air and Space Museum, where they get an up-close view of, and can better appreciate, her professional activities.



## RESET Volunteers

Laurel Abowd  
Vikas Akaraju  
Kaylea Algire  
James Henry Alstrum-  
Acevedo  
Raul Arenas  
Latif Armiyaw  
Thomas Artman  
Olivia Barber  
Savannah Barkdull  
Greg Barranco  
Senem Bas  
Emily Behrman  
Ezekiel Bello  
Priyanka Bhatia  
Alexandra Brady  
Kristin Branson  
Jaclyn Brennan  
Martin Brill  
Ken Brown  
Nathan Burns  
Keegan Caldwell  
Colby Carlone  
Alexie Carletti  
Rebecca Chillrud  
Abonyi Chuckawonsu  
Charles Cisneros  
Brandon Cole  
Brian Coleman  
Loretta Collins  
Aletha Cook  
Dave Corbin  
Paola Correa  
Peter Creutzberger  
J.I. Cruz  
Casey Culhane  
Margot Cumming  
Reilly Curtin  
Eman Dadashian  
Maru David  
Brad Davidson  
Rachel Dixon  
Christopher Dolce  
Laura Drescher  
Dan Durandetta  
Mike Economo  
Roian Egnor

Larissa Erben  
Anne Erickson  
Claire Eschbach  
Chelesa Fearce  
Erin Fingleton  
Wambura Fobbs  
LaShawn Fortune  
Laura Free  
Emily Freeman  
Bill Gill  
Suzanne Gleason  
Ashleigh Glowacki  
Mike Goldstein  
Kara Goodwin  
Carina Graham  
Eileen Graham  
Gretchen Greene  
Eric Greenlee  
Eyal Gruntman  
Maria Guimaro  
Sarbari Gupta  
Shobhit Gupta  
Jessica Han  
Yahaira Hanon  
Jeremy Hanson  
Sandra Hernandez  
Scott Hester  
Kat Hetland  
Elaine Hinrichs  
Brianna Hite  
Paige Hobaugh  
Joey Hoecherl  
Sara Holtz  
Kathryn Hoppe  
Elaine Hinrichs  
Jenny Hsin  
Phoebe Huang  
Brad Hulse  
Gina Hunt  
Tom Ilich  
Sarah Inwood  
Tihana Jovanic  
Saurin Kantesaria  
Joshua Kaufman  
Natasha Kesav  
Jacqueline Kieltyka  
Shaheen Khurana

David Killinges  
Sneha Kolapalli  
Andrew Kubiak  
Briana Kulisch  
Rajani Kumar  
Saloni Kumar  
Nghi Lam  
Jacqueline Lang  
Nicole MacIlvane  
Maddie Larkin  
Stephen Leete  
Deb Liezwek  
Anders Lindstedt  
Christine Liu  
Kit Longden  
Clara Lin  
Colin Lynch  
Joe Mait  
Kathy Magill  
Neha Malik  
Grace Maloney  
Bridget Marcinkowski  
Bill Massouda  
Anna Maximova  
Curtis Mayes  
Brooke Meader  
Lindsey Mehl  
Maame Mensah  
Monti Mercer  
Manuel Mohr  
Nina Mortazavi  
Shannon Moyer  
Jenny Nathans  
Wanda Negron  
Leonard Nettey  
Makuyo Nettey  
Emily Nielson  
Alicia Nolden  
Erica Normandin  
Tomeka Oubichon  
Adeoye Owolewa  
Gaby Paez  
Goral Pahuia  
Richard Pan  
Emily Peluso  
Anthony-Peter Pappas  
Bashir Partovi

## RESET Volunteers (Continued)

Nittan (Kumar) Patel  
Harshita Pathipati  
Rachita Pathipati  
Cynthia Peacock  
Mike Perkins  
Minh Q. Phan  
Corrie Picoraro  
Jutta Pils  
Drew Pizzala  
Jay Plischke  
Maria Plischke  
Kaspar Podgorski  
Brad Power  
Lucinda Power  
Wendy Quaye  
Nadine Randel  
Mahi Rana  
Ben Rahimi  
Chris Rahimi  
Nadine Randel  
Catherine Rastovski  
Kyle Reichard  
Sean Ritter  
Alice Robie  
Terrell Robinson  
Christina Rodriguez  
Aurelie de Rus Jacquet

Bobby Rushing  
Marya Sabir  
Ajmeeta Sangtani  
Pedro Santos  
Leisha Schiess  
LauraAnn Schmidberger  
Josh Sciurba  
Nuttiya Seekhao  
Steve Shapiro  
Sue Shealy  
Charles Shedrick  
Shanni Silberberg  
Kara Skipper  
Harold Smith  
Peter Sowa  
Julia Sproch  
Sanjay Sreekumar  
Darius Stanton  
Lisa Steinberg  
Dan Streeter  
Pallavi Surana  
Lauren Taneyhill  
Gabby Tender  
Gowan Tervo  
William Thomson  
Jordan Towne  
Nathanie Trisnadi

Sharayu Tulpule  
Cheng-Yuaan Tseng  
Jordan Towne  
Mathilde Turfkruyer  
Jason Turner  
Dan Turner-Evans  
Cyrus Uedo  
Franchesca Uribe-Rheinbolt  
Juan Valentin  
Andy Vo  
Katie Vollmer  
Jennifer Wang  
Katherine Wares  
Laureen Weeden  
Andrea Wellington  
Oscar Wiygul  
Ann Williams  
Michelle Williams  
Enaighen Wowe  
Cuiyin Wu  
Keisuke Yamamoto  
David Yarnell  
Christine Youn  
Dan Wei Yuan  
Qinsi Zheng  
Kenneth Zhou

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**RESET partners with government, private sector and non-profit organizations that provide teams of volunteers to deliver RESET programs:**

- Andrews Air Force Base
- Curiologie in the Classroom
- The Environmental Protection Agency
- The Howard Hughes Medical Institute
- The National Oceanic Atmospheric Administration
- The U.S. Patent & Trademark Office





## RESET Remembers



**Bill Gill**, 1935-2018, Volunteer at Stoddard and Shepherd Elementary Schools in Washington, DC and High Bridge Elementary in Bowie, Maryland

*"My first couple of sessions were bombs! I was talking too much, trying to teach the class 'important engineering principles.' I think the teacher was ready to throw me out. But then, during my third session, I put together a circuit with a battery and switch and demonstrated how a flashlight works. I then gave the kits to the class and they were elated when they finally got the light to turn on. A little Russian girl (Stoddard is near the Russian embassy) even made up a song about me – 'Mr. Electricity Man.'"*



**Bob Hauptman**, 1925-2018, Volunteer at Page Elementary, MD

In 2008 Bob told RESET he most admired his brother, Herbert Aaron Hauptman, who won the 1985 Nobel Prize in Chemistry." Before retiring and volunteering for RESET, Bob was a Senior Systems Engineer at Loral Aerosystems.



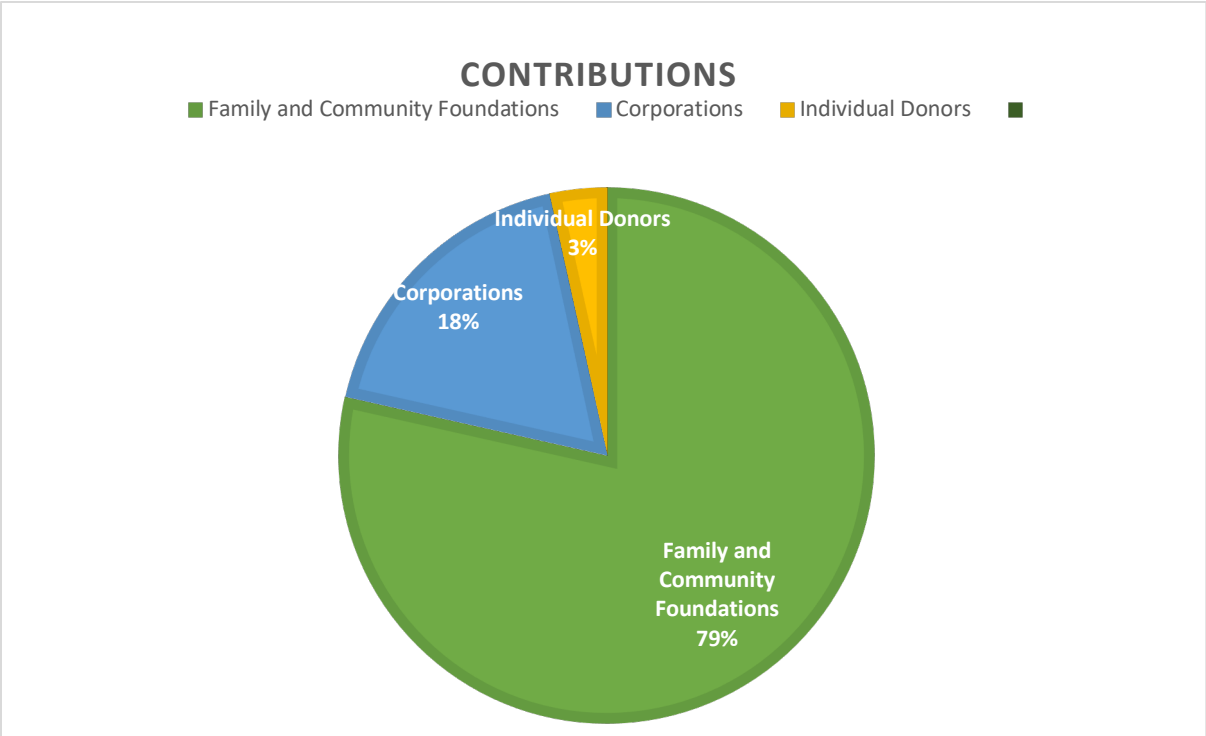
**Nancy Grace Roman**, 1925 -2018, Volunteer at Shepherd Elementary, DC

In her obituary, the New York Times said, *"She was a trailblazer for women at a time when science was considered a man's world and she became a longtime advocate for women in science."*

Nancy was NASA's first Chief of Astronomy and was known as *"The mother of the Hubble Telescope."* She spoke at RESET's 25<sup>th</sup> Anniversary Event in 2013. The picture at left is from RESET's February 2003 newsletter and shows Nancy at Shepherd Elementary with teacher Tim Leonard.

# RESET Program Support

RESET's income from Community and Family Foundations and Corporations grew in 2018. Increased funding enabled RESET to expand to new locales, establish more partnerships with schools and community organizations, improve volunteer classroom skills, and expand classroom content including in the computer science program.



**RESET is grateful for the generous financial support it receives from corporations, community & family foundations and individual donors.**

## Community and Family Foundations

- Boothe Family Fund
- Business Women’s Giving Circle of the Community Foundation for Northern Virginia
- Jack Kent Cooke Foundation
- Cardinal Health Foundation
- Clark-Winchcole Foundation
- Morris and Gwendolyn Cafritz Foundation
- Jack Kent Cooke Foundation
- Dimick Foundation
- Max and Victoria Dreyfus Foundation
- Elkes Foundation

## Community and Family Foundations (Continued)

- Foley Hoag Foundation
- John Edward Fowler Memorial Foundation
- Marilyn T. and David R. Heebner Foundation, Inc.
- Erna and Michael Kerst Fund
- Matthew Korn and Cynthia Miller Family Foundation
- Richard E. and Nancy P. Marriott Foundation
- Morrison & Foerster Foundation
- Mufson Family Foundation
- Luther I. Replogle Foundation
- Hattie M. Strong Foundation

## Corporations

- American Airlines
- Employees Community Fund of the National Capital Area
- Northrop Grumman
- SRC, Inc.
- Taste of the South

## In-Kind Support

- Living Classrooms (cost sharing for science cruise field trips)





## The Elkes Foundation – Spreading STEM Opportunities to a Broader Base of Children

David Elkes of the Elkes Foundation learned about RESET in the Catalogue for Philanthropy, which selects the best small non-profit organizations in the Washington DC area. The mission of the Catalogue is to “create visibility for our charities, fuel their growth and create a movement for social good in our region.” David Elkes' motivation for the Foundation's 2017 grant goes to the heart of RESET's mission: “One of my daughters participated in the Maryland Science Olympiad program in 7th and 8th grades and I was amazed by both the students' achievements as well as the parents' involvement and devotion. I sincerely applaud your efforts to provide such experiences to a broader base of children and feel fortunate to be in a position to make a donation to your organization.”

The Foundation provided another major grant this year. RESET's John Meagher commented, “We strive to provide hands-on STEM learning and field trips to students in economically disadvantaged neighborhoods; reaching a broad base of children is part of who we are. We thank the Elkes Foundation for their generous support.”

The Elkes Foundation was established by David's father, Terrence Elkes (1934 - 2008), the President of Viacom in the 1980s.



**A third grader experiences the view through a prism in a RESET session led by Volunteer Sandra Hernandez.**

## American Airlines Helps RESET Students Take Flight

American Airlines first provided a grant to RESET in 2012 and since then has been a loyal funder for RESET programs. *“AA supports our programs with both funds and AAdvantage flight miles,” says RESET’s John Meagher. “This enables us to nurture our current school partnerships, expand to additional schools, and pursue new program opportunities.”*

Katy Phillips, Community Relations Manager at American Airlines, spoke enthusiastically about its longstanding support: *“With global business comes global responsibility. As the world’s largest airline, we’re proud to give back in the communities where our team members and customers live and work, such as Washington, DC. American proudly supports nonprofit organizations, like RESET and the excellent work they do to inspire and engage students in the DC community. Together, we can let good take flight.”*

RESET has endeavored to engage corporations in its work, as they are the future employers of RESET students. Katy agreed, *“By encouraging students to engage in the fields of science, technology, engineering and math we are helping to create the future pilots, mechanics and aviation professionals who can lead American Airlines in years to come.”*

**Using AAdvantage miles included in American Airlines grants, RESET was able to take advantage of an opportunity to establish programs at J.J. Flynn Elementary School in Burlington, Vermont.**



## Individual Donors—2018 Annual Fund Campaign

RESET's Annual Fund Campaign is supported by individual donations generated through fundraising appeals, employee crowdfunding, online giving venues, and local and national annual giving campaigns, including:

- Amazon Smile
- The Combined Federal Campaign
- Do More 24
- Giving Tuesday

### RESET Founder's Circle—\$1,000 and above

David Adler

### Platinum Level—\$500–999

Susan Girgis

### Gold Level—\$250–499

Lew Mendelson

Gideon S., Dominoe, and Maxima Sorkin

Juan Valentin

Oscar Wiygul

### Silver Level—\$50–249

Asha Allam

Claudia Austin

Dennis and Margaret Boles

Deborah Buchanan

David Cyrus

Judith Hadley

Susan Hesser

Shaheen Khurana

Howard and Sherri Kohr

Karen Matragano

John Meagher

Adeoye Olowela

Brad Power

Marya Sabir

Matt Schweisberg

Jim and Katie Sebastian

Randy Spicer

Robert Wayland

Tom Yocom

### Bronze Level—Up to \$49

Steve Hellem

Gayle Kornman

Rachel Sharlin

Mary Tehan



# RESET Board and Staff

## Board of Directors

- David T. Adler, Financial Analyst, Washington, DC
- Claudia C. Austin, Teacher, Richard Montgomery High School, Rockville, MD
- Susan Hesser, Consultant, Commercial Real Estate Agent Annandale, VA
- John W. Meagher, Fairfax Station, VA
- Lewis Mendelson, Board Chair, International Capital Market Consultant, Bethesda, MD
- Adeoye I. Owolewa, RPh, Pharmacist Washington, DC
- Marya S. Sabir, National Institutes of Health, Academy Fellow, Bethesda, MD
- Oscar H. Wiygul, Nuclear Reactor Operator, Fairfax, VA

## Staff & Contractors

- Keith Osterhage, Executive Director, [reset@resetonline.org](mailto:reset@resetonline.org)
- Roberta S. Goren, Volunteer Coordinator, [rsgoren@verizon.net](mailto:rsgoren@verizon.net)
- Shaheen Khurana, Program Specialist, [shaheen.khurana@gmail.com](mailto:shaheen.khurana@gmail.com)
- Sherryl Kohr, Volunteer Classroom Skills Advisor, [sherri.kohr@gmail.com](mailto:sherri.kohr@gmail.com)
- Helen Nelson, Certified Public Accountant, [hnelsoncpa@gmail.com](mailto:hnelsoncpa@gmail.com)







Classroom Adventures in   
Hands-On Science & Math 