



Raising **E**xcitement for **S**cience,
Engineering, and **T**echnology

*STEM Volunteers Inspiring Children
Through Hands-On Learning*

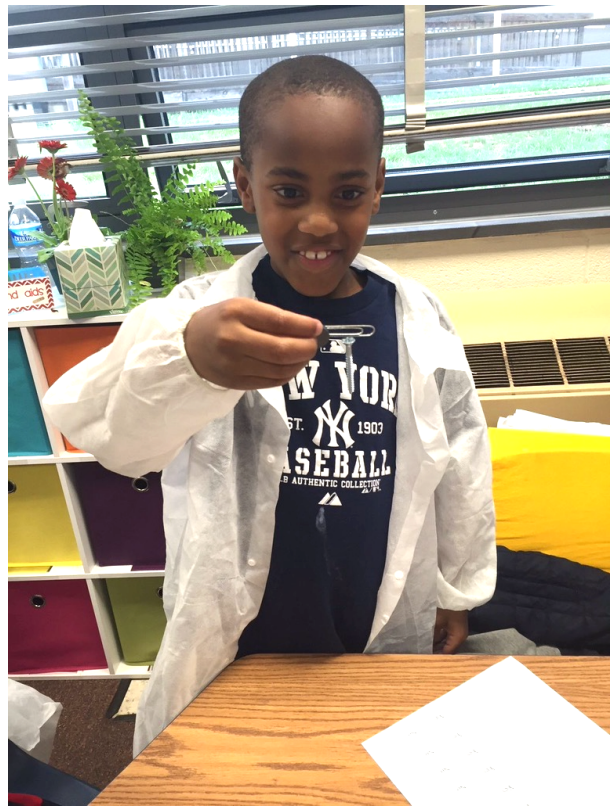


2021 Annual Report



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RESET is a volunteer organization of science, technology, engineering, and math (STEM) professionals whose mission is to motivate children to discover and explore the worlds of science and math, and to encourage them to consider education and career choices in related fields



www.resetonline.org



Cover Photo: Kindergarteners at Barrett Elementary with RESET volunteer Amber Fandel

STEM For All Children

A Message from RESET's Board Chair

The past two years have revealed both the marvels of scientific achievement and the compelling need for better STEM education in the US. The development of vaccines for SARS COVID 2 at breakneck speed has been a tremendous advance built upon decades of RNA research by scientists, including Dr. Katalin Kariko at the University of Pennsylvania School of Medicine (see Washington Post link below). Health professionals who have treated virus patients have been the backbone of our national response. However, our fight against the virus has been undermined by the lingering skepticism of vaccine science and a widespread misunderstanding of the relative risk of infection by COVID versus the potential side effects of vaccination. The lack of understanding of statistics has impeded the immunization rate, reduced the use of masks and other preventive steps, and created a demand for ineffective remedies against the medical community's advice.

A key lesson for STEM education from this experience is that all students need a good grounding in STEM, not just those with a natural aptitude and an affinity for these subjects. While the expertise of STEM professionals during COVID has led to breakthroughs in the knowledge of viruses and antiviral medications, the actions of people with a poor understanding of science and math have undermined our fight against COVID. We must make sure all students have a basic knowledge of these subjects to make good decisions for themselves and their families later in life.

RESET is predicated on the premise that early exposure to hands-on STEM learning reaches children who would otherwise tune out science and math. Learning by doing impacts many more students than do lecture or memorization. For example, a foam fountain from the addition of Mentos to a bottle of Coke sparks more interest in chemical reactions than memorizing a carbon dioxide equation.

We are grateful to all RESET stakeholders who share in recognition of the importance of hands-on STEM learning for children and contribute their time, knowledge, and resources to make it happen.

John Meagher,
Chair, RESET Board

* <https://www.washingtonpost.com/health/2021/10/01/katalin-kariko-covid-vaccines/>

Program Data

RESET reached 1448 students in the classroom in 9 schools in School Year 2020-21. Many of our long-time partner schools were unable to accommodate RESET programs because of the challenges posed by COVID, and RESET concentrated its programs in those schools that were able to adapt. Most of these programs were in computer science, which is more compatible with virtual classrooms. In school year 2018-19, before COVID, RESET reached 2038 children in the classroom, and looks forward to restoring our partnerships with more schools as conditions become more favorable.

Four RESET Girl Scout programs were also conducted in 2020-21, reaching 133 Scouts. Each of these includes two half-day sessions; the first is to train teens in RESET's digital science program and in the second the older Scouts present the program to younger Scouts. RESET is expanding partnerships with community service organizations and is now placing volunteers in Boys and Girls Club sites in the DC area.

RESET participated in one STEM Fair in the fall of 2020, with volunteers engaging 88 children in STEM activities. The total number of children reached was 1669.

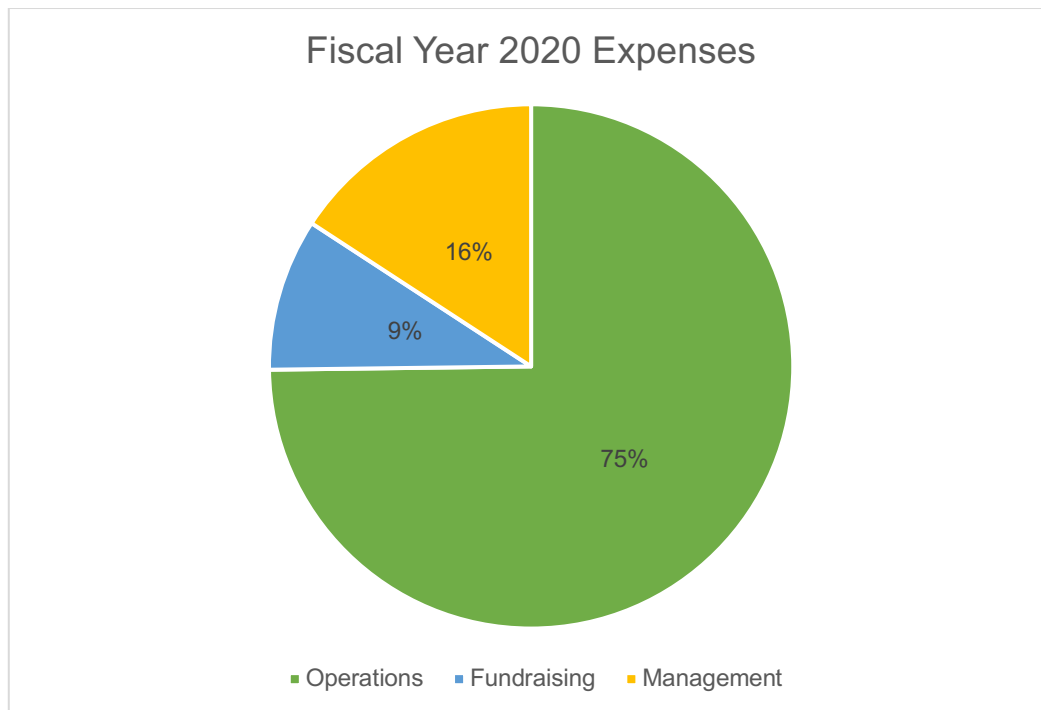


Financial Report

In Fiscal Year 2021 RESET received \$70,957 in financial contributions and incurred \$93,442 in expenses. With other income and cost factors considered, the net decrease in assets was \$24,631. (Financial figures are from *RESET Financial Statements and Independent Auditor's Report*, December 10, 2021, Helen Nelson CPA.)

Most of RESET's funding comes from grants made by foundations and corporations. Priorities of some of these entities changed with the short-term pressing needs of families affected by conditions resulting from SARS-Covid 2. While expenses exceeded income for the year, this was necessary to adapt to the new realities. RESET maintained \$48,815 in net assets at the end of the fiscal year. In 2021 RESET was selected by the Catalogue of Philanthropy as one of the best small charities in the DC area. That has given a boost to donations in Fiscal Year 2022 that started on October 1, 2021.

Because our volunteers donate their time and expertise and community partners contribute their time, donations to RESET are highly cost effective. RESET expenses include staffing, classroom skills training, field trips, classroom materials, fundraising, communications, and liability insurance. For information on making a contribution, visit www.resetonline.org



RESET 2020-21 School Partners

RESET is grateful to our partner schools and community service organizations that help us deliver hands-on STEM learning to children. While programs have been disrupted with many of our traditional partners, we are pleased that programs continued at the following locations:

District of Columbia

Excel Academy—Ward 8
Harmony Public Charter—Ward 5
Whittier Educational Campus—Ward 4

Maryland

Girl Scouts of America – Montgomery County

Virginia

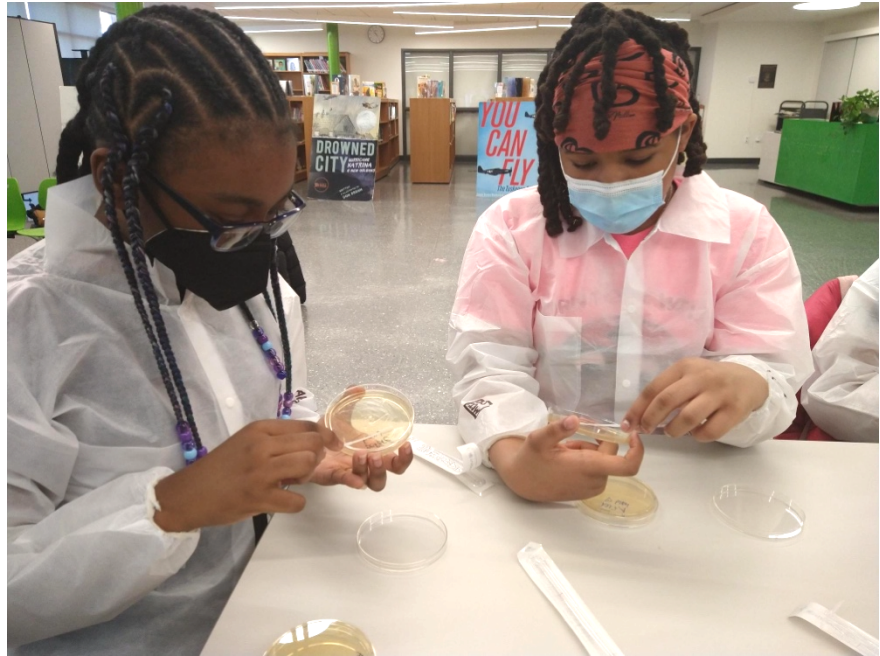
Canterbury Woods Elementary
Drew Model Elementary
Fairhill Elementary
Girl Scouts of America - Ashburn
Girl Scouts of America – Reston Glebe Elementary
Glebe Elementary
Hoffman-Boston Elementary
Kings Glen Elementary



RESET 2020-21 Volunteers

The past two years have posed challenges to all of us, and we are grateful that so many have chosen to respond with a commitment to children by volunteering for RESET.

Madie Alexander
Victoria C Andriessen
Albert Arenas
Anthony Asmar
Meira Azibitt
Reid Ballard
Michelle Basden
Alison Bashford
Alexis Berry
Sarah Burnash
Kathy Buscher
Elisabeth Buvarp
Kyle Carver
Joe Chapman
Marquis Chapman
Nickolas Chu
Thomas Clarity
Tammie Confer
Milann Cox
Kelly Cunningham
Lee DeCola
Ally DePuyt
Christopher Dolce
Princess Ekpo
David Elk
Eric Esposito
Amber Fandel
Cynthia Fioriti
Katherine Fleck
Claire Gao
Arthur Hall
Lauren Haskin
Emma Hope
Casey Hummeldorf
Bodrul Islam
Chris Jones
Esther Kay
Elise Kronquist
Frederica LaRussa
Yingquan Li
Lyndsay Maggins
Rosa Mallorson



RESET 2020-21 Volunteers (continued)

Brianna Matthew
Kelsie Medina-Saenz
Kayla Miller
Rochelle Mellish
Jeffrey Mun
Bill Mitchell
Shreya Nandi
Shayan Nazari
Sarvar Nazir
Lily Nguyen
Lynn Nguyen
Ugonna Nwannunu
Kelly O'Connor
Marinna Okawa
Adeoye Owolewa
Saranji Parera
Mary Pasquale
Olivia Preston
Jack Prochnau
Anjana Ram
Catherine Rastovski
Alicia Richards
Julia Roceta
Denzel Ryan D Cruz
Victoria Sanchez Guzman
Maxwell Sandler
Ujjawal Savani
Caitlyn Sebastian
Alexis Sim
Harkiran Singh
Cassandra Small
Harold Smith
Halyi Spence
Julia Stern
Nicole Stewart
Avery Sukienik
Jeremy Taigman
Katelin Teigen
Mike Tilman
Soma Umeozulu
Juan Valentin
Serena Vilasi
Sean Wang
Tony Wang
Kimberly Whiting
Elena Wilson
Rachel Wurth
Max Xu

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

- 500 Women Scientists
- Code.org
- The Environmental Protection Agency
- General Dynamics
- Girls Who Code
- The Howard Hughes Medical Institute
- The U.S. Patent & Trademark Office



RESET Funding Support

RESET relies upon the generosity of foundations, private companies and individuals for the funds that support our work, and we are deeply grateful to those who enabled our continued operations in the difficult 2020-2021 environment.

Community and Family Foundations

- Benjamin Wallace Trust
- Ricardo Barrios
- The DECK Foundation
- Morris and Gwendolyn Cafritz Foundation
- Marilyn T. and David R. Heebner Foundation, Inc.
- Kerst Charitable Fund
- Richard E. and Nancy P. Marriott Foundation
- Luther I. Replogle Foundation
- Silicon Valley Community Foundation

Corporations

- Electrosoft
- General Dynamics
- Jenna Stein Engineering

Individual Donors

- David Adler
- Jose Arias
- Claudia Austin
- Nina Barcelli
- John Ehrhart
- Sheila Farthing
- Rebecca Gal
- Brian Gaines
- Susan Hesser
- Jonathan Holm
- Sara Holtz
- Sherri Kohr
- David and Kerry Meagher
- John Meagher
- Lew Mendelson
- Jinqi Maorise
- Sujata Nandi
- Shab Nassirpour
- Ashley O'Neill
- Keith Osterhage
- Adeoye Owolewa

Individual Donors (continued)

- Gideon Sorkin
- Ujjawal Savani
- Rachel Sharlin
- Samer Tellawi
- Julie Schecter Torres
- Paul Syers
- Juan Valentin
- Christa Weber
- Clarence Wade
- Alicia Wiygul
- Oscar Wiygul



RESET Board of Directors

- David. Adler, Financial Analyst, Washington, DC
- Claudia Austin, Teacher, Richard Montgomery High School, Rockville, MD
- Nina Barcelli, Science Curriculum Designer, North Carolina
- Sara Holtz, CIRCLE Project
- John Meagher, Chair, Fairfax Station, VA
- Lewis Mendelson, International Capital Market Consultant, Bethesda, MD
- Adeoye Owolewa, Washington DC US Representative, RPh, Pharmacist Washington, DC
- Ujjawal Savini, Medical Student, Emory University
- Jeremy Taigman, Research Fellow, National Institutes of Health
- Juan Valentin, US Patent and Trademark Office
- Christa Weber, Teacher, Crestwood Elementary, Springfield, Virginia



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