



# OUTREACH & EQUITY



SOCIETY FOR SCIENCE



# Outreach & EQUITY

In 2015, the Society launched a suite of Outreach & Equity programs with the aim of ensuring that every young person in the United States has the opportunity to become a scientist or engineer. Today, millions of students, educators and community members across the United States, the District of Columbia and U.S. territories have access to these programs and the opportunities they create.

The Society's Outreach & Equity programs work at every level of the STEM talent pipeline to provide equitable access to high-quality educational content and experiences, and to increase participation of students from underrepresented and low-income communities in STEM research, degree programs and careers.

## OUR OUTREACH & EQUITY IMPACT

SCIENCE NEWS LEARNING (FORMERLY *SCIENCE NEWS* IN HIGH SCHOOLS)  
(2021–2022 SCHOOL YEAR)

<b>5,474</b>	<b>5,800,000</b>	<b>17,300+</b>
<small>schools enrolled</small>	<small>students with access</small>	<small>teachers served</small>

### ADVOCATE PROGRAM (2015–2021)

<b>258</b>	<small>Advocates mentoring underserved students</small>
<b>4,248</b>	<small>students mentored</small>

### RESEARCH TEACHERS CONFERENCES (2015–2021)

<b>1,460</b>
<small>teacher participants</small>

### STEM RESEARCH GRANTS (2017–2021)

<b>283</b>
<small>middle and high school teachers</small>
<b>\$575,000</b>
<small>awarded</small>

<b>23,045</b>
<small>students access equipment</small>

### STEM ACTION GRANTS (2016–2021)

<b>64</b>
<small>grantees</small>
<b>\$410,000</b>
<small>awarded</small>

<b>150,000</b>
<small>people impacted</small>

# Science News LEARNING

Science News Learning (formerly *Science News* in High Schools) supports STEM education in the classroom by bringing the award-winning journalism of *Science News* with lessons and activities to schools across the United States.

Participating schools receive:

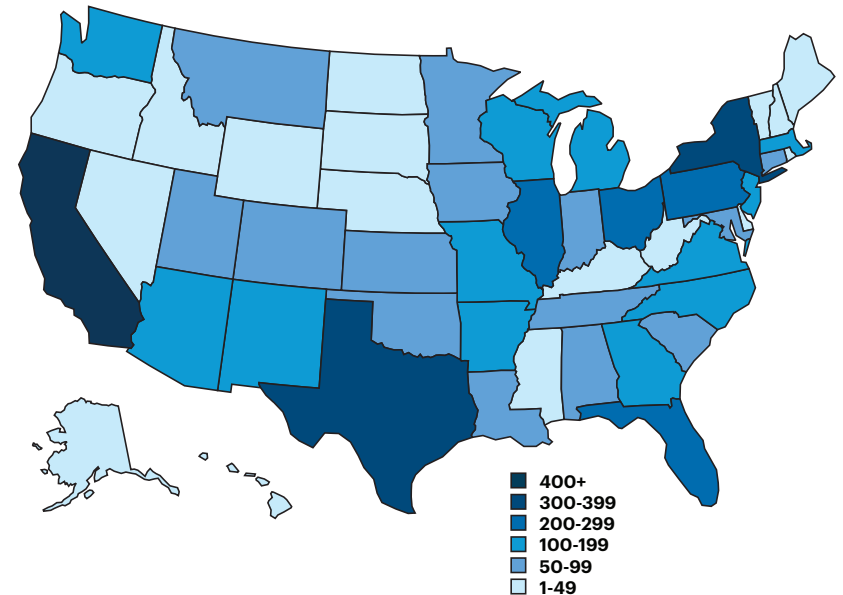
- **10 print copies of each *Science News* issue** throughout the school year — providing access to the latest in-depth science reporting
- **Year-round access to ScienceNews.org** and its full archives back to 1921
- Access to a **Digital Educator Guide Library** full of interdisciplinary lesson plans, each aligned with Next Generation Science Standards and paired to two reading levels of a *Science News* article
- **Weekly newsletters** that deliver the most-recently developed lesson plans and provide other educational opportunities and resources
- Access to an **Educator Community** to share ideas and best practices for integrating the program resources into the classroom and a **webinar workshop series** to further enhance collaboration



**Provide a school with access to the program for just \$575!**

Help empower the next generation by increasing scientific literacy and ensuring students leave the K-12 system with the skills and motivation they need to succeed in college STEM classes and careers.

## 5,400+ Schools Participating in Science News Learning Program Across the US



// Science News Learning supports the entire spectrum of student STEM needs. It provides meaningful literacy materials for our lower level readers, while inspiring the students who want to take on the challenges of student science research.”

— DANIEL MATTHEWS  
KAUAI HIGH SCHOOL

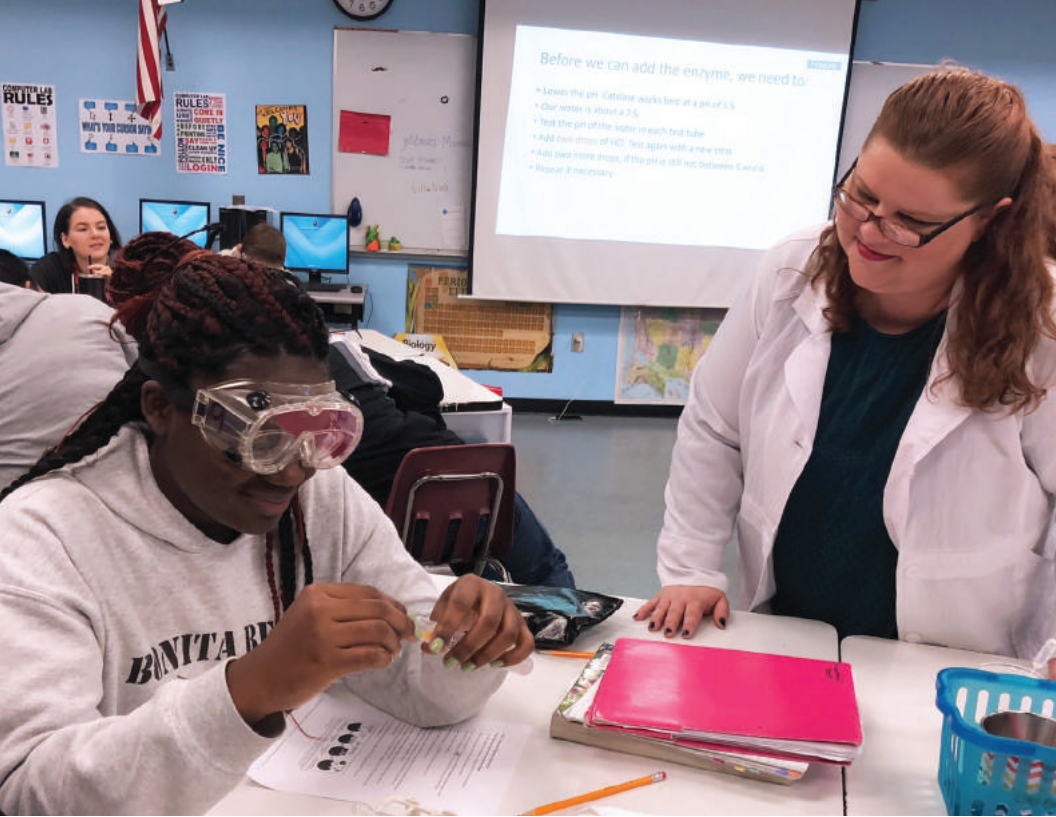
# 96%

of educators responded that  
the program has been useful  
in their teaching

**Our goal is to provide program access to 10,000 schools.**



# ADVOCATES



“A student told me she wasn’t a scientist when she entered the STEM lab on the first day. After showing her around, she had so many questions and loved being in there. She left that day saying, ‘I didn’t know I could ask questions that were important to anyone else. I didn’t know that I could be a scientist. Cool!’”

— **LAUREN DUDLEY,**  
CHAPMAN UNIVERSITY,  
ORANGE, CA

The Advocate Program provides motivated teachers, scientists and mentors with a comprehensive year of support to serve as an Advocate for students from low-income households and students from racial or ethnic groups underrepresented in STEM—increasing access to STEM research competition experiences and empowering more young people to take advantage of this critical pathway to a career in STEM. The program includes a \$3,000 stipend, Society staff support throughout the year and an all-expenses-paid trip to Washington, D.C. for the Advocate Training Institute.

Since 2015, 258 Advocates and 4,248 students have participated in the Program. The 2022 Advocate class will be our largest to date with 84 Advocates.

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**Our goal is to support and train 100 Advocates annually.**





# Research Teachers CONFERENCES

Our High School and Middle School Research Teachers Conferences were created with the goal of building a national community of science and engineering research teachers to share best practices and troubleshoot the challenges of leading student research. These conferences bring together 200 high school and 75 middle school research teachers annually for an all-expenses-paid weekend of professional development in Washington, DC.

These teacher-led conferences foster natural discussion and encourage participants to interact and share with each other the techniques that have proven beneficial in their own classrooms and communities. Each conference includes several breakout sessions, and often a keynote, focused on recruiting and supporting students who are underrepresented in STEM.



“I feel energized and empowered to go back to my colleagues and students to share best practices and to implement a plethora of new things that I have learned from Research Teacher’s from all around the country.”

— **JENNIFER DONNELLY**  
JOSE MARTI STEM ACADEMY  
UNION CITY, NJ

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**We aim to grow our middle school conference to 200 teachers.**



# STEM RESEARCH GRANTS

Research shows that participating in a science research project increases student interest in STEM careers, but such opportunities are far too limited—especially in under-resourced schools where teachers do not even have basic lab materials. STEM Research Grants support school-based science research programs by providing research teachers one-time grants of \$1,000 in take-home STEM research equipment or up to \$5,000 for the purchase of specialized equipment.

Take-home equipment includes items such as trail cams, water-testing kits, micro-controllers and mini solar panels. With specialized funds, educators have purchased mini wind tunnels, pop-up greenhouses, incubators and electrophoresis equipment.

“This equipment will provide us with the necessary tools to focus our learning on engineering and exploratory science. I see this grant impacting our school and students in a positive way for many years!”

— **DEVIN BERGE**  
LA PLATA MIDDLE SCHOOL  
SILVER CITY, NM

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**Our goal is to double our grant-making capacity to \$275,000 to increase opportunity for student research nationwide.**



# STEM ACTION GRANTS

The STEM Action Grants program is helping to grow the next generation of STEM social entrepreneurs by strengthening and supporting innovative, community-driven nonprofit organizations working to nurture STEM potential in underserved communities. These groundbreaking nonprofits are often left out of traditional philanthropic giving. The Society supports their essential work with catalytic funds via microgrants of up to \$5,000 each in addition to media exposure.

## OUR 2021 GRANTEES

3D Girls, Incorporated	Full STEAM Forward
Baltimore Underground Science Space	National Forest Foundation
Be Loud Studios	Quest Science Club, Inc.
Black Girls Do Engineer Corporation	Black Pilots of America,
Blue Marble Space Institute of Science	Red-Tailed Hawks Chapter
California Desert Land Conservancy	Richmond Minorities in
CodeCreate	Engineering Partnership
Connect Crew at Memphis	Rosie Riveters
Public Libraries	Rural Resources Farm &
Envirolution Inc.,	Food Education Center
Forging Opportunities for	Safe Alternative Foundation
Refugees in America	for Education, Inc
Future Advancers of Science	Science Moab Engagement Initiative
and Technology	Stem is Childs Play Foundation
Intrepid Museum Foundation, Inc.	Black Girls Dive Foundation
Kul Wicasa Wopasi	Student Global Ambassador Program
Learn Fresh	Tech Kids Unlimited
Michigan Science Center	The GEMS Camp
Northwest Ecological Research Institute	The Latino Student Fund
ʻŌhana Kilo Hōkū	Venture Outdoors
OpenWise Foundation, Inc.	Women's Audio Mission
Opportunity X	Youth Code Jam
Pink Space Theory	



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**We aim to double our grant-making capacity to \$350,000 annually to build and support a national grassroots ecosystem of community-based STEM organizations.**



# Support OUTREACH & EQUITY

The Society for Science is a champion for science, dedicated to expanding scientific literacy, effective STEM education and scientific research. Founded in 1921, we are a nonprofit 501(c)(3) membership organization focused on promoting the understanding and appreciation of science and the vital role it plays in human advancement: to inform, educate and inspire.

The Society's Outreach & Equity STEM programs create opportunity for students in underserved and underrepresented communities by nurturing their STEM interests and talents and by supporting educators and community-based organizations in creating high-quality, meaningful STEM learning experiences.

As a Society partner, your organization will impact and inspire thousands of STEM students—either on a national level or in specific local communities of interest—and gain visibility with future STEM talent, teachers and school communities.



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**With additional investment, we can do much more.**



## THE SOCIETY'S OUTREACH & EQUITY PARTNERS INCLUDE

Regeneron

The Ahmanson Foundation

Arconic Foundation

The Burton Family Foundation

Central Intelligence Agency

Corning Incorporated Foundation

DoD STEM Defense STEM Education Consortium

Intel Foundation

The Lemelson Foundation

National Geographic Society

The Ralph M. Parsons Foundation

Simons Foundation



For more information, please contact:

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