



# SOCIAL MISSION





“The Social Mission program promotes ways for me and MathWorks to have an impact on the community—beyond providing access to MATLAB and Simulink. I’m glad we have it.”

**George E., Information Security Manager, MathWorks**



## A NOTE TO OUR READERS

MathWorks is committed to changing the world by accelerating the pace of discovery, innovation, development, and learning in engineering and science. At the same time, we strive to act responsibly as a global corporate citizen by supporting the communities where we live and work through initiatives that advance STEM education, foster staff volunteerism, build environmental sustainability, and aid global relief efforts.

In the following pages, you’ll see just a sampling of recent local and worldwide efforts to encourage learning, minimize our impact on Earth’s resources, and help those in need.

This report is organized around the five pillars of the MathWorks Social Mission:

-  Investments in Education
-  Staff-Driven Initiatives
-  Local Community Support
-  Green Initiatives
-  Global Relief Efforts

Inspired by our core values and a conviction to “Do the right thing,” MathWorks and its staff are grateful for each opportunity to advance this mission and remain dedicated to making a difference whenever and wherever possible.

As we reflect on the accomplishments described here, we also look forward to continued progress in the years to come.

Best regards,



Jack Little  
President and Cofounder  
MathWorks

# INVESTMENTS IN EDUCATION

MathWorks supports programs that inspire learning and advance education in engineering, science, and math. Our strong commitment to education comes from believing in the power of learning and the ability of engineering, science, and math to find innovative solutions to real-world problems.

## Student Competitions

Student engineering competitions inspire the next generation of innovators to learn and develop problem-solving skills. In 2018 and 2019, MathWorks provided financial support, training, software, and coaching to 49 programs, including EcoCAR 3, BEST Robotics, VEX Robotics, RoboCup, RoboNation, MathWorks Math Modeling (M3) Challenge, PhysioNet Challenge, Signal Processing Cup, and Formula Student.

## University Fellowships

MathWorks awards fellowships to engineering students who develop innovative solutions to complex problems. In 2018 and 2019, we funded five fellowships in the United States and the United Kingdom.

## Global Education Advancement

MathWorks is committed to fostering engineering, science, and math education around the world. Through partnerships with a number of academic institutions, we support initiatives to advance learning in the global community.

## STEM Sponsorships

MathWorks provides funding and STEM ambassadors to several programs, including:

- Arkwright Scholarships, UK
- i2 Learning & Massachusetts STEM Week
- Massachusetts State Science and Engineering Fair
- Mathematical Association of America
- MINT Zukunft schaffen, Germany
- MIT Science Trivia Challenge, Cambridge, MA
- Villiers Park Educational Trust, Cambridge, UK

## Curriculum Development

MathWorks funds eligible educational institutions that design curricula around MATLAB®, Simulink®, and Model-Based Design and use active teaching approaches such as project-based learning. In 2018 and 2019, we awarded over \$630,000 to universities for curriculum development.

## Research Grants

MathWorks supports researchers at eligible educational institutions who use MATLAB and Simulink in innovative ways. We awarded \$784,000 in 2018 and \$773,000 in 2019 in research grants.

## Museum Partnerships

MathWorks supports museum exhibits, education programs, and science workshops, including:

- Cambridge Science Centre, Cambridge, UK
- Children’s Museum, Boston, MA
- Computer History Museum, Mountain View, CA
- Deutsches Museum, Munich, Germany
- Discovery Museum, Acton, MA
- EcoTarium, Worcester, MA
- Glasgow Science Centre, Glasgow, UK
- Mass Audubon, Lincoln, MA
- Mount Washington Observatory, North Conway, NH
- Museum of Science, Boston, MA
- New England Aquarium, Boston, MA
- Science Museum, London, UK
- Universcience, Paris, France
- Zoo New England, Boston, MA

## SPOTLIGHT

### TRAVELING SCIENCE WORKSHOPS, DISCOVERY MUSEUM

As part of its mission to “spark delight in learning,” the Discovery Museum brings fun, hands-on STEM education activities to pre-K through grade 8 classrooms around New England with Traveling Science Workshops. During the 2018–19 school year, more than 20 enrichment options covering topics such as chemistry, electromagnetism, weather, and green engineering encouraged students to observe, predict, and experiment—just like real scientists. MathWorks has supported the program for 10 consecutive years.



Source: Discovery Museum, discoveryacton.org | ©Jill LeGrow



338

Workshops provided to new schools and/or new grades



103

Towns served



4122

Students accessing free or nearly free workshops



## SPOTLIGHT

### GIRLS DAY AT MATHWORKS

Supporting a countrywide initiative to encourage girls to visit technical companies and explore the possibility of an engineering career, the MathWorks office in Munich, Germany, welcomed 19 girls to learn basic MATLAB programming with a MATLAB Grader™ course and apply their new skills to program a Magic 8-Ball as a standalone application with MATLAB. The visitors were also treated to an interactive interview with female MathWorks engineers.

## 2018–19 Highlights: Investments in Education

▶ \$9.7M+

MATHWORKS FUNDING

▶ 5800

STUDENT TEAMS RECEIVING SOFTWARE FROM MATHWORKS

▶ 49

COMPETITIONS WITH MATHWORKS AS SPONSOR

▶ 5

UNIVERSITY FELLOWSHIPS AWARDED

# STAFF-DRIVEN INITIATIVES

We empower staff members to volunteer their time and talent in ways that can transform lives. MathWorks recognizes and supports the personal commitments that staff members make to a range of charitable organizations.

## Volunteering

Each full-time employee is eligible for eight hours of paid volunteer time per year. In 2018 and 2019, more than 1900 staff donated nearly 10,000 paid volunteer hours.

Every spring, MathWorks staff concentrate their volunteer efforts as part of a monthlong Volunteer Challenge to support local organizations. In 2018 and 2019, over 2200 employees in eight countries donated more than 10,000 paid volunteer hours at 180 volunteer events during the annual Volunteer Challenge.

## Staff-Initiated Drives

MathWorks staff initiated more than 35 drives to benefit local groups. These included collecting winter holiday gifts for needy children, families, and seniors both locally and through Toys for Tots.

## "A-Thon" Matching Program

When staff members run, walk, or bike for charity, MathWorks matches 100% of donations from fellow employees (up to \$500 for each contributor) and up to \$500 from outside pledges. In 2018 and 2019, MathWorks gave over \$225,000 in matching funds to 120 fundraisers, benefiting the National Multiple Sclerosis Society, the Pan-Mass Challenge, Best Buddies International, the Jimmy Fund, the Galway Hospice Foundation, and other organizations.

## End-of-Year Donations

Every year, MathWorks staff research, nominate, and select charitable groups to receive year-end donations. In the past two years, these donations totaled more than \$420,000 and reached over 275 charitable groups, including:

- 1Caffè Onlus, Italy
- A Place to Turn Emergency Food Pantry, Natick, MA
- Brain Foundation, Australia
- Colectivo Tetuán-Ventilla para el seguimiento de Menores y Jóvenes, Spain
- Community Harvest Project, North Grafton, MA
- Cookies for Kids' Cancer, Califon, NJ
- GiGi's Playhouse Detroit, Detroit, MI
- JDRE, New York, NY
- Make-A-Wish Foundation of Switzerland
- Plus1 Volunteer, China
- SOS Kinderdorf Children's Villages, Germany
- Stand Up to Cancer, Los Angeles, CA
- TEMPO, France
- World Wildlife Fund (WWF) Australia

## SPOTLIGHT

### PEAK 2 BREW (P2B) RELAY, 2019

A group comprising 25 MathWorkers fielded two teams of runners who completed the 227-mile P2B Relay in upstate New York's Adirondack Mountains. With the MathWorks match, they raised more than \$18,000 for the Hole in the Wall Gang Camp, which helps seriously ill children and their families.



## SPOTLIGHT

### CHARITABLE EVENTS

Throughout each year, MathWorks employees initiate drives to support local organizations. In 2018 and 2019, these included two car wash fundraisers benefiting the Boys & Girls Clubs of MetroWest and the collection of winter holiday gifts for needy children, families, and seniors both locally and through Toys for Tots.



#### Collection Bins

52 charitable drives were organized by MathWorks staff.



#### Finance and Operations Annual Car Wash

213 cars were washed and \$19,000+ was raised.



#### Blizzard of Backpacks

100 students received new backpacks filled with school supplies.



#### Habitat for Humanity Operation Playhouse

8 outdoor playhouses were built for children of US military and veteran families by 80+ MathWorks volunteers.



#### Blizzard of Gifts

108 children, teens, and seniors received gifts during the holiday season.

## 2018-19 Highlights: Donations and Volunteering

▶ \$420,000+

END-OF-YEAR DONATIONS

▶ 10,000+

PAID STAFF VOLUNTEER HOURS

▶ 275

NOT-FOR-PROFIT ORGANIZATIONS SUPPORTED BY STAFF INITIATIVES WORLDWIDE

▶ \$225,000+

"A-THON" MATCHING DONATIONS

▶ 1900+

STAFF VOLUNTEERS

# LOCAL COMMUNITY SUPPORT

We support the vitality of the communities in which we work by contributing to organizations that help develop and enrich our cities and towns and by participating in local initiatives.

## Local Community Events

The Natick, Massachusetts, office annually sponsors Natick Days, a festival celebrating the town of Natick by providing fundraising opportunities for Natick youth groups and nonprofit organizations.

## Scholarships

Each year, MathWorks awards scholarships to high school seniors in Natick, Massachusetts, who plan to study engineering, math, or science at the university level. In 2018 and 2019, we awarded over \$40,000 in scholarships.

## Public Broadcasting

In the Boston area, we sponsor WBUR-FM and WGBH-TV. MathWorks is lead sponsor of WBUR-FM's *Here and Now* program, which is syndicated by National Public Radio. Staff members look forward to participating in our Corporate Pledge Nights at WGBH-TV each year.

## Mass Audubon

MathWorks is a corporate supporter of Mass Audubon, which works to protect more than 38,000 acres of Massachusetts conservation land. Mass Audubon provides school, camp, and other educational programs for 225,000 children and adults annually, and advocates for sound environmental policies.

## Community Grants

The MathWorks Community Grant Program provides financial support and sponsorship to nonprofit organizations and programs. In 2018 and 2019, we awarded more than \$194,000 to 85 local community programs, including:

- Bay Area Discovery Museum, Sausalito, CA
- Cambridge Hands-On Science (CHaOS), Cambridge, UK
- Centre for Computing History, Cambridge, UK
- CoderDojo, Galway, Ireland
- Girls Angle: A Math Club for Girls, Cambridge, MA
- Girls Incorporated, Worcester, MA
- Morse Institute Library, Natick, MA
- Mystic River Watershed, MA

## SPOTLIGHT

### TEDxNATICK

One of thousands of independently organized events around the world inspired by the popular TED—technology, entertainment, design—conferences and talks, TEDxNatick is hosted annually in Natick, Massachusetts, and brings together hundreds of community members, innovators, technologists, artists, educators, and other professionals. The one-day gathering features thought-provoking talks and videos intended to spark connection and discussion. MathWorks is the Premier Sponsor of TEDxNatick.

Source: TEDxNatick, [tedxnatick.org](http://tedxnatick.org)  
TEDxNatick | Leah LaRiccia Photography



**800**  
Attendees annually

**57**  
Speakers during event's five-year history

**4 million**  
Number of views since 2016

## SPOTLIGHT

### COMMUNITY GRANT PROGRAM, 2018 AND 2019

The goal of the MathWorks Community Grant Program is to assist the communities where we work and to support programs where our grants can make the most impact in helping an organization achieve its mission in the community.



**85**

Grants awarded



**\$194,000+**

Total amount awarded

## 2018–19 Highlights: Global Impact of Local Giving

▶ **110**

COMMUNITY PROGRAMS SPONSORED

▶ **\$1.88M+**

MATHWORKS COMMUNITY PROGRAM FUNDING

▶ **43**

LOCAL COMMUNITIES REACHED

# GREEN INITIATIVES

MathWorks encourages careful and responsible stewardship of the environment at work and home. We support environmental sustainability through programs focused on recycling, improvements in energy efficiency, resource management, and facilities design.

## 2018–19 Highlights: MathWorks Recycling

- ▶ **1,060,000**  
POUNDS OF SINGLE-STREAM RECYCLING
- ▶ **1000+**  
POUNDS OF BATTERIES
- ▶ **40%+**  
RECYCLING DIVERSION RATE

### Sustainability: Greener Buildings

Ongoing building projects at our offices worldwide emphasize environmental sustainability. Achievements in 2018 and 2019 include the following:

- More than 100 parking spaces at both the Apple Hill and Lakeside campuses in Natick, Massachusetts, are now capable of charging electric vehicles (EVs).
- 990 additional solar panels were installed at the Lakeside campus, bringing total site generating capacity (both Apple Hill and Lakeside) to 2 million kilowatt hours a year.

### Green Awareness Programs

Our GreenWorkers employee group promotes sustainable practices—at work, at home, and in the community. One way they do this is by identifying the best routes for staff to cycle to work and helping ensure safe bicycle access to the Apple Hill campus. GreenWorkers also provide a channel for prioritizing and communicating green ideas to MathWorks management.

### Waste Minimization and Recycling

MathWorks is constantly working to improve processes and minimize waste. Where waste cannot be eliminated, we focus on maximizing recycling. Kitchens and cafeterias promote reusable dishware and reduced waste. In 2019 MathWorks launched a single-stream recycling program at the Apple Hill and Lakeside campuses. In celebration of Earth Day, MathWorks hosts an annual Technology Recycling Day at each Natick, Massachusetts, campus in early May.



## SPOTLIGHT

### FACILITY ENHANCEMENTS

Doing the right thing for the environment consists of minimizing our impact in every aspect of our operation. Steps we're taking to make both MathWorks campuses in Natick, Massachusetts, carbon neutral include calculating and tracking our carbon emissions and operational efficiency, continuing to improve the energy efficiency of our buildings and systems, selectively sourcing energy, and offsetting our remaining carbon emissions.



**3.3 million kWh**  
Electricity generated on-site in Natick, Massachusetts



**990**  
Additional rooftop solar panels installed



**114**  
Parking spaces at Natick campuses with EV charging stations



**164**  
Registered EV users



# + GLOBAL RELIEF EFFORTS

MathWorks supports disaster relief and humanitarian relief efforts worldwide through individual staff and company donations. In partnership with relief organizations, we contribute to disaster relief efforts and humanitarian aid.

## 2018–19 Highlights: Global Relief Donations



**\$60,000**

KERALA, INDIA,  
FLOOD RELIEF



**\$10,000**

JAPAN FLOOD RELIEF



**\$7000**

CYCLONE FANI RELIEF



**\$7000**

HURRICANE DORIAN RELIEF



**\$4000**

KARNATAKA, INDIA,  
FLOOD RELIEF



**\$4000**

AMAZON WILDFIRE  
RELIEF

### Disaster Relief

MathWorks employees come from countries around the world. In times of crisis they show great generosity in responding to global disasters, famine, and poverty. MathWorks partners with established nonprofit organizations that provide material relief worldwide.

In 2018 and 2019, we supported the following disaster relief efforts, with over \$92,000 in donations:

- Amazon wildfires
- Cyclone Fani
- Hurricane Dorian
- Japan floods
- Karnataka, India, floods
- Kerala, India, floods

### Humanitarian Efforts

MathWorks helps fund global programs to end poverty, relieve suffering, and provide food, shelter, and life-saving essentials to people affected by disasters. Our employees make individual donations and lead relief efforts to collect goods and coordinate donations from MathWorks staff.



**\$1.5M**

HUMANITARIAN SUPPORT  
THROUGH CARE

**\$1.59M**

TOTAL DISASTER FUNDING

**68 million**

People directly served  
by CARE programs

**401 million**

People indirectly served  
by CARE programs

**1036**

Poverty-fighting  
development and  
humanitarian aid projects

**100**

Countries where  
CARE works



Source: CARE International, care-international.org | © 2014 Erin Lubin/CARE

## SPOTLIGHT

### CARE INTERNATIONAL

CARE is a leading humanitarian organization fighting global poverty, with a focus on education and empowering women. Continuing efforts it started three-quarters of a century ago, CARE also delivers emergency aid to survivors of war and natural disasters.

As a part of a long-standing partnership with the organization, MathWorks helps fund CARE initiatives around the world, including building schools for adolescent girls and other vulnerable children in remote communities in India and Peru.

“The total number of children out of school globally has decreased by more than 30% since 2000, but we still have a ways to go. CARE is grateful to MathWorks for the opportunity to empower girls and vulnerable children to achieve their basic right to education, no matter their circumstances. Take Laxmi [pictured] in rural India, who was the first in her immediate family to ever step foot in a school. CARE’s partnership with MathWorks has given Laxmi—and millions of girls like her—a second chance to learn and an opportunity to break her family’s cycle of poverty.”

**Michelle Nunn, President and CEO, CARE USA**

## IMPACT AND RESPONSIBILITY

Around the world, engineers and scientists are making a difference by using MATLAB and Simulink to:

- Advance our knowledge of Earth, the environment, and the universe
- Develop more fuel-efficient and safer cars, airplanes, and trains
- Advance life science research and diagnostic techniques
- Search for new sources of energy
- Educate the next generation of engineers and scientists

"The H4H Operation Playhouse event was a special experience. As a military spouse, I know firsthand the tremendous sacrifices that military families make both overseas and at home. It means a lot that MathWorks recognizes and gives back to our veterans. I'll never forget the look of appreciation on the parents' faces and the sheer joy and excitement of their little boys as they explored the playhouse we designed for them."

**Michelle C., Senior Training Specialist, MathWorks**



## About MathWorks

MathWorks is the leading developer of mathematical computing software. MATLAB, the language of technical computing, is a platform for algorithm development, data analysis, visualization, and numeric computation. Simulink is a block diagram environment for simulation and Model-Based Design of multidomain and embedded engineering systems.

MathWorks employs more than 5000 people in 33 offices around the world. Founded in 1984, the company is privately held and has been profitable every year since its inception. In 2019, MathWorks generated \$1 billion in revenue.

**Learn more:**

[mathworks.com/socialmission](https://mathworks.com/socialmission)







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