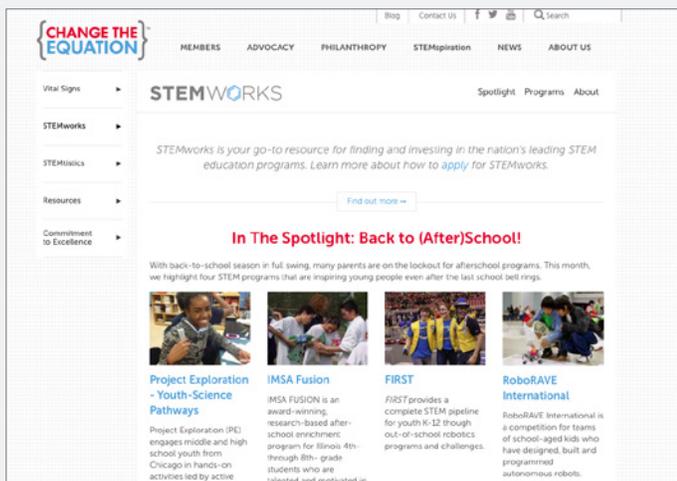


STEMWORKS: STEM SOLUTIONS YOU CAN COUNT ON

Change the Equation knows that investments in STEM programs must be strategic and ensure a good ROI. With many options to choose from, it can be overwhelming to find the right program to match your interests, geography, and audience.

Since 2012, STEMworks—an online tool that offers high-quality, vetted STEM programs—has been providing a growing list of solutions to these challenges. The STEMworks tool is a searchable, user-friendly honor-roll of STEM education programs meeting rigorous criteria that can help you to boost the impact of your STEM investments and improve the lives of young people in grades P–12.



“There is no shortage of STEM programs that make grand claims about their impact. STEMworks identifies programs that have the evidence to back up their claims.”

—Paula Collins, Vice President of Government Relations, Texas Instruments

QUALITY AND IMPACT

Every program included in STEMworks has met Change the Equation’s rigorous Design Principles for effectiveness. Created by leaders in corporate social responsibility, these Principles embody the best research on what works in STEM education. They set a high bar by requiring STEM programs to demonstrate success in areas such as capacity to meet critical need, sustainability, scalability, partnerships, and rigorous evaluation. In addition, programs must offer challenging STEM content, incorporate hands-on STEM practices, inspire interest in STEM, and address the needs of girls and students of color, who are less likely to pursue STEM fields.

INDEPENDENT EVALUATION

A team of independent experts carefully reviews and selects only the best programs from hundreds of applicants. Using a detailed evaluation rubric, reviewers choose only those programs with concrete evidence that they meet the Design Principles.



RELIABLE INFORMATION

STEMworks offers rich descriptions of every program, including its goals, geographic reach, strengths, and impact. Program descriptions also include analysis of how they stack up against each of the Design Principles, so you can rest assured that each program has evidence to back up its results!

“The principles behind STEMworks have given STEM leaders in Iowa a vital touchstone for finding and jointly supporting the programs that are most likely to change the odds for Iowa’s young people.”

—Jeffrey Weld, Ph.D., Executive Director, Iowa Governor’s STEM Advisory Council

EXPLORE YOUR PRIORITIES

Search by type of program, target audience, impact, location, and grade level to find programs that best meet your philanthropic priorities.

“The rigor and objectivity of STEMworks makes it much more than just a database. The thorough review process and unbiased program descriptions put STEMworks in a class of its own. It’s an important resource for funders, as well as those who want to implement impactful STEM programs or learn what elements are essential to developing strong programs.”

—Tracy Bame, President, Freeport McMoRan Copper & Gold Foundation

STEM Programs

▼ All Audiences
✓ All Program Types
▼ All Locations
▼ All Grade Levels

- Curriculum/Instructional Materials
- Teacher Development/Training
- Hands on/Project-Based
- Informal /Out of School
- Work Readiness/Employment
- College Readiness



Alabama Math Science Technology Initiative (AMSTI)

The Alabama Math, Science, and Technology Initiative is the Alabama Department of Education’s initiative to improve math and science statewide. Its mission is to provide all students in Grades K-12 with the knowledge and skills needed for success in the workforce and/or postsecondary studies (college and career ready).

If you would like more information about how you can make the most of Vital Signs or a guided tour, please contact Buffy DeBreaux-Watts at 202.524.4380 or bdwatts@changetheequation.org.

