

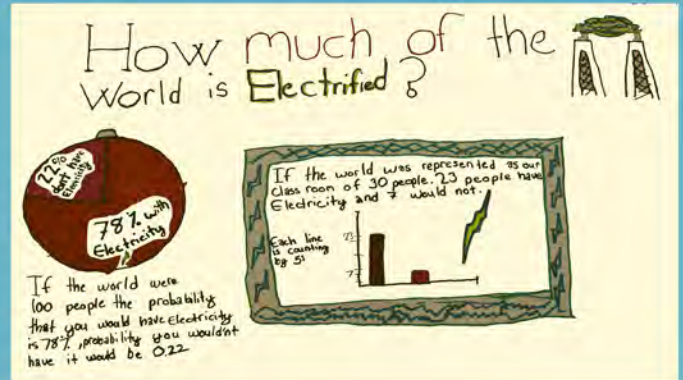
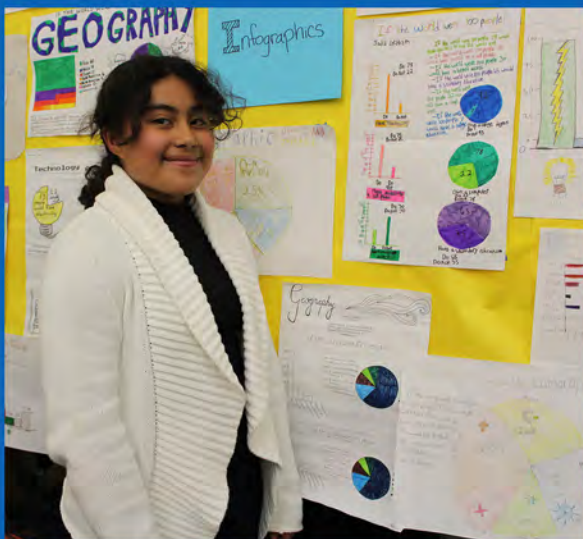


OVERVIEW

MathAction has a bold mission: *to empower the next generation to use mathematics as a tool to understand—and seek solutions for—the most pressing global challenges of our time.*

By blending the precision of mathematics with the ambiguities of global issues, young investigators learn to use mathematics to explore social and environmental challenges and solutions, communicate ideas, and inform their actions. We are committed to closing the opportunity gap and fostering curiosity and critical thinking for life.

MathAction engages 6-9th graders through investigations ranging from population growth to access to clean water. We foster the connection between global challenges and local issues, and teach investigators how to analyze and design their own solutions. In the process, we expose young people to a variety of careers - from STEM to entrepreneurship to policy development. MathAction uses personalized adaptive technologies to reinforce and track progress on Common Core math concepts and skills.



WE OFFER:

- **CLASSROOM INVESTIGATIONS**
MathAction transform classrooms into team investigations – as supplemental math courses and electives, during Sub time, and as special projects
- **EXTENDED DAY & ENRICHMENT PROGRAMS**
Young investigators explore solutions to local and global challenges. We offer hands on after-school programs and Citizen Math clubs
- **CAMPS**
Young people immerse in action-packed camps with investigations, games, nature, and more
- **PROFESSIONAL DEVELOPMENT**
We offer professional learning to select 21st century schools and districts

MathAction invites young people of all performance levels to engage in rigorous math and global learning; we do not offer remedial math programs. MathAction supplies staff, materials (including 1:1 digital tablets) for all investigations. MathAction is a nonprofit organization founded in 2012.

CONTACT US

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SAMPLE INVESTIGATIONS

- Grade 6 **The Global Village: Access to Clean Water**
- Grade 7 **Alleviating Poverty: Microlending**
- Grade 8 **Population Dynamics**
- Algebra 1 **Measuring Human Rights: Food Security**



Did you know that middle school is regarded as the last chance for building competence in math? The majority of American students are locked out of advanced math courses in high school and college and cannot pursue STEM careers.

YOUNG PEOPLE NEED OUR SUPPORT

Only 35% of 8th graders are proficient in math
 US fifteen year olds rank 35 out of 64 countries
 Failure and disengagement in middle school math & Algebra 1 disables students from progressing to advanced math courses and STEM careers
 Americans score an average of 23% correct answers on Gapminder's Global Ignorance Test

OUR RESULTS

- Accelerated math learning
- Increased curiosity and perseverance
- Increased growth mindsets
- Increased evidence-based learning & critical media skills
- Increased math confidence and reduced anxiety
- Improved social emotional skills
- Increased global literacy
- Increased exposure to STEM & global careers

This week has been really good I feel like im getting math in a whole new way. It makes me feel more confident. I have learned so much & hope to keep getting better

MARIA'S STORY

When Maria started seventh grade she had no interest in math. It bored her. She felt it didn't apply to what was important in her life. Like so many kids her age, she didn't realize that math could help her better understand the world.

Because of MathAction, Maria studied math in the context of issues that she cared about. Maria's excitement grew. She used ratios and proportions to understand relationships between population and poverty. She used a digital tablet to research statistics and watch relevant videos. Maria wrote persuasive essays using math to back her claims. Not only did her math improve, so did her confidence. She learned about new careers in the process - from statisticians to social designers and policy analysts. Maria worked with teammates to look at current solutions and develop their own solutions to the problems in her community and her world.

