



EXECUTIVE SUMMARY

Inspiring the Future of STEM



About JerseySTEM

- Grassroots 501(c)3 nonprofit charitable and 100% volunteer organization
 - Brings STEM education to middle school girls in New Jersey communities
 - Focused on hands-on, project-based problem solving, and critical thinking
 - Committed to closing the gender, innovation, and opportunity gaps in STEM
- ★ 1,250 students served across New Jersey — Targetting 3,000 by 2030



Mission

- Promote Science, Technology, Engineering, and Math (STEM) education
- Partner with schools & organizations to bridge gender gaps in STEM education
- Create, promote, and strengthen STEM educational learning opportunities



Vision

- Leverage support of companies, local communities, and network of volunteers
- Expose and prepare middle school girls for careers in STEM fields
- Build a pipeline of future leaders in STEM technology and innovation



Partnership(s) with:

- Socially responsible corporations providing funding and support
- Local middle schools, youth organizations, libraries, and community clubs
- Colleges and universities with civic-minded, STEM oriented college students

Our Goal — Bridging Gender, Innovation, and Opportunity Gaps in STEM Educational Access



Gender Gap

- Women = ~28 - 33% of global STEM graduates — unchanged over the last decade
- Shortage of female scientists and engineers impacts girls future in these fields
- Confidence plays a crucial role in girls' decisions to pursue STEM further



Innovation Gap

- Introduce young girls to STEM concepts to build spatial and technical skills
- JerseySTEM leverages MIT App Inventor and Scratch platforms
- Teaches critical thinking and problem solving at an early age



Opportunity Gap

- ~74% of girls are interested in STEM-related fields
- Only 20% are prepared for college-level STEM programs
- Our efforts expand STEM programs in underrepresented communities

To bridge these gaps, we offer 10-week “FREE” after-school programs in:



How You Can Help

- **Volunteer:** Teach or help coordinate our programs
- **Host:** Provide a location for a club program
- **Advertise:** Share this information with your community
- **Donate:** Support JerseySTEM with a donation of any size

JerseySTEM | Bridging Gender, Innovation, and Opportunity Gaps for Middle School Girls in New Jersey

Learn
more about
JerseySTEM



JERSEYSTEM

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