

Bridging Gender, Innovation, and Opportunity Gaps to Middle School Girls in New Jersey



## Let's Partner

Partnering with JerseySTEM:





Makes STEM education accessible to all



Together we can:





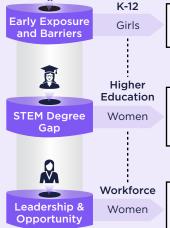
## Problem — Black Women's Underrepresentation in STEM

**STEM** | • STEM fields drive global innovation and economic growth

**Eduction** • Black women significantly underrepresented across STEM careers **for Women** • Systematic barriers, access disparities, retention, and leadership hinder STEM equity

Many Black girls attend schools lacking

- robust STEM educationUnconscious gender bias by teacher/parents
- Stereotypes portray STEM as "not-for-girls"
- Limited STEM extracurriculars and few female role models



- 2.3% of Black women earned STEM degrees Lack of mentorship and fewer role
- 2% in computer science | 1% in engineering
- More likely to come from lower-income backgrounds
- Lack of mentorship and fewer role models impact STEM career continuance
- Lack of extracurricular activities, internships, and advanced academic resources
- Black women account for ≈8% of STEM workforce in U.S.
- 3.2% of Black women are in STEM disciplines
- Biases, and stereotypes affect STEM success
- < 1% of Fortune 500 women are STEM CEOs
- 50% leave STEM fields mid-career due to limited advancement opportunities

Sources: National Science Foundation, 2021; "Stereotype Threat and Women in STEM," Journal of Educational Psychology, 2020; National Center for Education Statistics, 2021; People of Color In Tech, Jan 2023



## How You Can Help

Volunteer

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Teach or help coordinate our programs



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## **About JerseySTEM**

- Grassroots 501(c)3 nonprofit charitable and 100% volunteer organization
- Partners with socially responsible companies, their employees, and youth organizations
- Focused on hands-on, project-based problem solving, and critical thinking learning







