The goal of this two-year project is to examine systemic issues within learning spaces and provide educators with anti-racist approaches that validate and uplift Black learners.

Through a combination of media, educator and role model professional development, and intentional outreach, **Black SciGirls** will create more gender-equitable and anti-racist informal STEM learning environments for Black girls.

**Role Model Videos**

Featuring a PBS series of short-form role model videos of early-career Black STEM professional women to inspire girls to consider STEM careers, directed by Black women.

- PBS KIDS Role Model Video Series
- PBS Special, Black Women in STEM

**Professional Development (PD)**

Educator PD (24 Informal Educators): Training designed to help educators plan and facilitate SciGirls STEM activities with a gender-equitable and anti-racist lens.

Black STEM Professional Women PD (24 Role Models): Training designed to empower role models to be positive STEM role models for Black Girls using best practices.

**Research Study Questions**

1) How and in what ways do Black STEM women role models influence Black girls’ interest in STEM?
2) How and to what extent do role models report changes in their confidence and ability to engage girls in STEM as a result of training?
3) How and to what extent are parents engaged in supporting girls’ involvement in STEM as a result of the participation of role models?

**STEM Education Partners**

- Black Girls Do STEM, MO
- Brown Girls in Tech, GA
- CommunityCode, SC
- Maricon P. Thomas Charter School, NJ
- Morrison Mentors. NY
- Mott Hall’s Bridges Academy, NY
- Park Forest-Chicago Heights School District, IL
- Project Scientist, MN
- Self-eSTEM, CA
- SheWill, GA
- Techbridge Girls, CA
- YMCA of Metropolitan Washington, D.C.

**STEM Outreach Programs**

- 32-hour informal STEM program reaching 180 Black girls and their families
- SciGirls STEM activities and guide for using role models and videos
- Black STEM women professionals engaging with girls as role models (in-person and virtually)

**Summative Evaluation Questions**

1) How does educator use of the **Black SciGirls** collection of resources relate to changes in Black girls’ interest in and motivation to pursue STEM studies and career pathways?
2) How did participation in **Black SciGirls** PD change educators’ perceived self-efficacy and confidence in engaging Black girls in STEM including the design of an inclusive learning environment?
3) How has interest and motivation to pursue STEM careers changed among Black girls and their families after participation in the **Black SciGirls** outreach program?

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