

# Welcome to the NGCP National Webinar

## From Research to Practice: An Up-to-Date Look at Gender Equity in STEM

Tuesday, March 9, 2021

Please respond to the poll and introduce yourself in the chat.

Use the chat to ask questions, respond to one another, and share resources.



# NGCP Vision

The National Girls Collaborative Project **brings together organizations** committed to informing and encouraging girls to pursue careers in science, technology, engineering, and mathematics (STEM).



# NGCP Goals

1. **Maximize access** to shared resources within organizations interested in engaging girls in STEM.
2. **Strengthen the capacity** of programs by sharing exemplary practice research and models.
3. **Use the leverage of a network** to achieve gender equity in STEM.



# NGCP Activities



## Increased Collaboration Benefits Girl-Serving STEM Programs

Helped us better serve girls



82%

Increased girls' interest in STEM



78%

Helped my program be more effective



77%

Increased girls' confidence in STEM



77%

Source: NGCP 2015 Annual Survey

# National Network of Collaborative Teams



NATIONAL GIRLS COLLABORATIVE PROJECT



# Speakers:



## **Brenda Britsch, Ph.D.**

Senior Research Scientist with the  
National Girls Collaborative Project



## **Gabriela A. González**

Deputy Director and Operations Manager  
of the Intel Foundation



## **Dr. Zahra Hazari**

Professor in the Department of Teaching  
and Learning and the STEM Transformation  
Institute at Florida International University



## **Dr. LaShawnda Lindsay**

Research Scientist and Black Girls  
Create Project Director



**relevance**

**role models**

**embrace  
struggle**

**stereotypes**

**collaborative  
& social**

**STEM  
practices**



**SciGirls**

Brenda Britsch: [bbritsch@ngcproject.org](mailto:bbritsch@ngcproject.org)

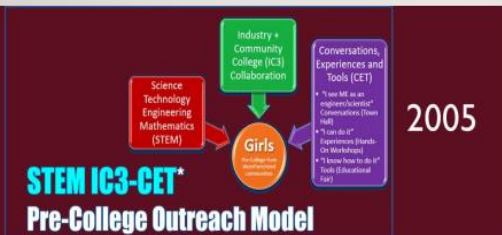
# From Research to Practice: An Up-to-Date Look at Gender Equity in STEM

Gabriela A. Gonzalez

March 09, 2021

## PRACTICE

Hermanas:  
Disena Tu Futuro



She Will Connect



Million Girls  
Moonshot



## RESEARCH

### STEM inertia and status-quo persistence framework

Contributing Factor	Theoretical Counter Measure	Related Outcome
Institutional gender-focused approach	Intersectionality	Inclusion
Independent, redundant & competing programs	Collective Impact	Access
Invisible or blurred lines of accountability	Accountability	Progress

#### Intersectionality

- How do NPOs know if their investments are helping to decrease the gender or gender/race or gender/race/class inequalities?
- How are they contributing to closing the gender/race/class gaps in STEM?

#### Collective Impact

- Do they believe the work they are engaged in matters, why and to whom?
- What are the forces influencing the decisions as to where, when and how to invest?
- How do they collaborate with others to achieve their goals?

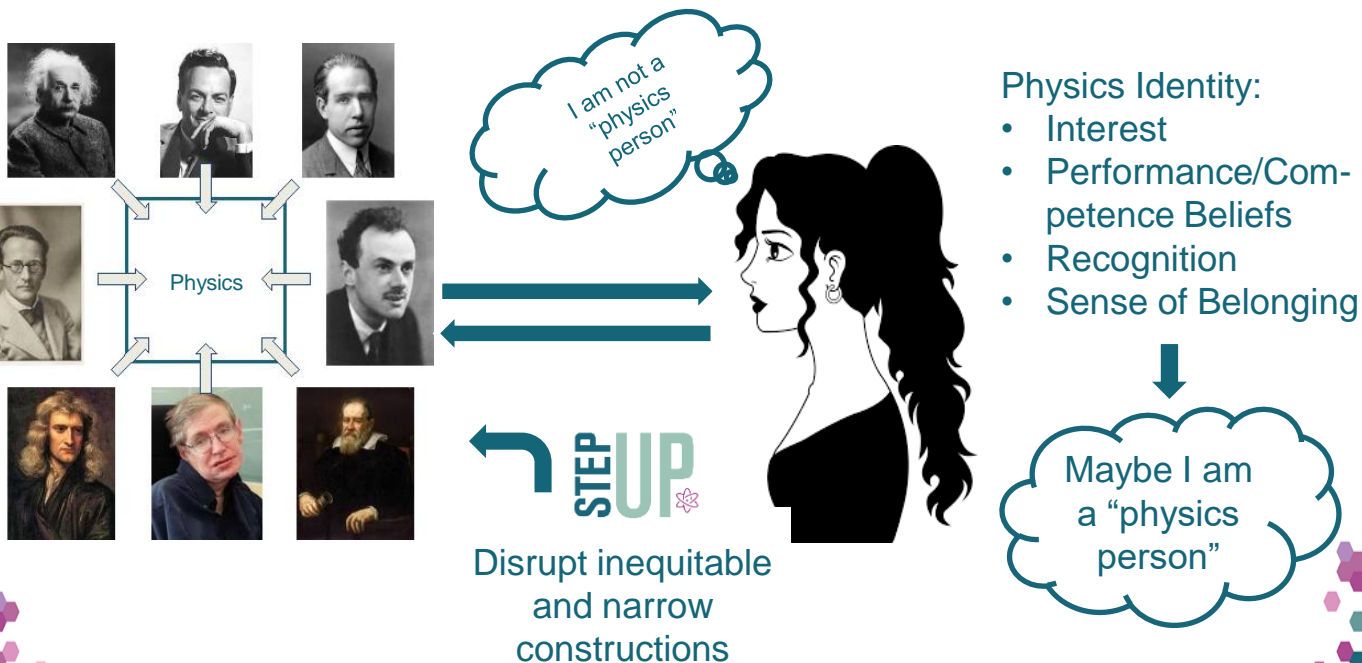
#### Accountability

- How do they hold themselves accountable and for whom?
- Are their programs meeting their expected results/outcomes?



# Empowering Young Women by Disrupting Biased Structures

Disciplinary Identity - how students see themselves in relation to a discipline based upon their perceptions of the discipline and experiences with the discipline





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## LaShawnda Lindsay, Ph.D. Research Scientist

~Culturally responsive making provides an opportunity for underrepresented populations to engage in STM in a meaningful way.

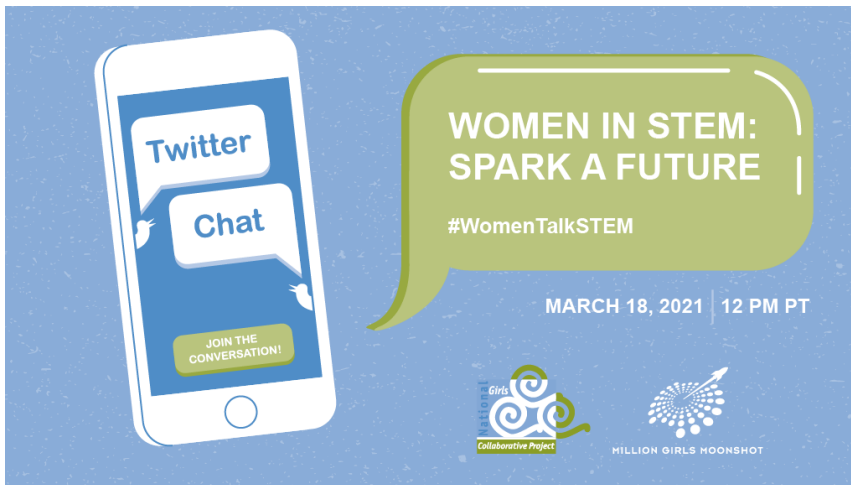
~Participating in a program that offers innovative approaches to STEM learning that encourages the celebration of their cultural heritage, facilitates identity exploration, and exposes has the potential to broaden Black girls and women's engagement in STEM education.

~Black Girls Create uses social history, culturally responsive pedagogy, and mentoring to engage Black girls in maker-based activities as they learned about Black "Her-STEM" figures: women who made significant impacts in STEM. By the end of the program, girls use their new maker skills to design and create cultural artifacts and conduct digital fabrication demonstrations.

Wellesley  
Centers for  
Women

# Panel Q&A

# Upcoming NGCP Events



#WomenTalkSTEM