Welcome!

NGCP National Webinar:
The Impact of STEM Role Models and Mentors
The Impact of STEM Role Models and Mentors

January 26th, 2023
NGCP Vision

The vision of the National Girls Collaborative Project is to support and create STEM experiences that are as diverse as the world we live in.
Our Goals

Connect + Create + Collaborate

1. Build and sustain a network of advocates to provide equitable and inclusive STEM opportunities.

2. Catalyze equity in STEM from research to practice by providing actionable knowledge that transforms the STEM experience.

3. Increase our collective impact by strengthening organizational effectiveness and enhancing our fiscal sustainability.

The Impact of STEM Role Models and Mentors
NGCP Activities

• Network Partnerships
• IF/THEN Collection
• FabFems
• Youth Advisory Board
• State Leadership Teams
National Webinars

• Offered monthly on topics to help our networks grow and thrive
• Speakers include educators, researchers, authors, and diverse STEM professionals
• Sign up: https://www.ngcproject.org/events-announcements

"I have gotten more out of this than the dozens of other presentations I have attended this summer."

"I found this useful and enjoyable."

"I really like all the resources placed in the chat that I can go and flip through to find what is most helpful to my organization"
NGCP Newsletter

• National in-person and online events
• STEM resources for engaging girls and youth, professional development opportunities for educators, and opportunities for youth
• Research and reports related to STEM and equity, informal STEM education and learning
• NGCP updates and events, including webinars, knowledge products, and tools
The Impact of STEM Role Models and Mentors

January 26th, 2023
POLLUTANTS, PARASITES, AND PEOPLE
DISEASE ECology IN THE FACE OF ENVIRONMENTAL CHANGE

JESSICA HUA

WISCONSIN UNIVERSITY OF WISCONSIN-MADISON

jhua13 hua_lab_bu
Integrate **ecological complexity** into our understanding of disease outcome.
EVOLUTIONARY RESPONSES TO POLLUTANTS

“Super weeds”

Antibiotic resistance
Community Science
ART TO TRAIN COMMUNITY MEMBERS TO CONDUCT RESEARCH
Discover a career in Prosthetics, Orthotics, and Pedorthics
What is the POP Profession?

- Change lives
- Challenge yourself
- Have fun!
Orthotics

Orthotic care providers improve people’s mobility by evaluating, making and fitting people with supportive braces.

- Device that supports a body part or joint
- Provide stability, support, positioning, and protection
Find out What It's Like

Prosthetics

Prosthetic care providers improve the quality of life for people with limb loss or limb difference.

- A device that replaces a body part
- Provide function, body balance, ease of use, and optimal cosmesis in order to restore self image, quality of life, and independence
Career Path

- Prosthetist/Orthotist
- Technician
- Assistant
- Fitter
- Pedorthist
Prosthetist and Orthotist Programs

- Alabama State University
- California State Dominguez Hills
- Loma Linda University
- University of Hartford
- Florida International University / International Institute of Orthotics & Prosthetics
- **Kennesaw State University**
- Northwestern University
- Eastern Michigan University
- Concordia University
- University of Pittsburgh
- Salus University
- Baylor College of Medicine
- University of Texas-Southwestern Medical Center
- University of Washington
No Day is the Same

Problem solve—Collaborate with others
Adrienne W. Hill, MHA, CPO(L)
Certified and Licensed Prosthetist/Orthotist
Clinical Assistant Professor

I have been promoting this field for the last 10 years through community and educational outreach.

P.O.P.P.E.D – Promoting Orthotics and Prosthetics Positively Every Day was born from an idea to inform and educate people who have never heard of the Prosthetics and Orthotics field. For the last 5 years, she has been educating K-12 students both in and outside of the classroom. Through social media, P.O.P.P.E.D has made the profession more accessible to students, professionals and the others within the community. She met the students, professionals and the community where they are.
Contact

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