CALL FOR PRESENTATIONS

STEM FOR HER DAY
DECEMBER 12, 2022
GEORGE MASON UNIVERSITY - ARLINGTON CAMPUS

"The accessibility of the event to the community and communication available was incredibly insightful and constructive." – Alexandra M., Washington, D.C.

STEM FOR HER HEADQUARTERS
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Suite 205
Falls Church, VA 22046

stemforher.org/stemforherday2022/
info@stemforher.org
Calling All Presenters...

*STEM for Her* is searching for dynamic presentation proposals to contribute to the robust program content being offered at *STEM for Her Day*. This year’s theme is **Breaking Barriers in STEM** as we are asking attendees, presenters and sponsors to think critically about their role in eradicating the inequities in STEM. Don’t miss this opportunity to help shape and inspire our future generation of women leaders in STEM. Submit a presentation proposal today to be a part of the solution!

About *STEM for Her Day*

*STEM for Her Day* will serve as a hands-on, experiential, conference-style day of all-things-STEM for 300-400 local high school female students. With a focus on recruiting participants from under-resourced communities in the DC Metro area, we will expose students – many for the first time – to industry professionals, specific career opportunities, and university options through robust programming, intimate discussion, competitions, networking, and more. *STEM for Her Day* will include four tracks the students may choose to follow throughout the day – a science track, a technology track, an engineering track, and a math track.

**WHY STEM for Her Day**

Throughout the pandemic, the consistent feedback we have received from program participants is their frustration with virtual learning and their desire to be back in-person, learning in settings with their peers, having face-to-face conversations, and experiencing things “hands-on” again. The ultimate goal of *STEM for Her Day* is to empower high school female students to take the next step in their path to a STEM-related career. The pandemic has stifled access to opportunities for STEM enrichment, especially for under-resourced populations. By bringing participants together with industry professionals, universities, and employers, while providing connections with like-minded peers, we hope to reignite the excitement and engagement that may have been lost over the past two years.
Benefits of Presenting

- Help to empower girls to build resiliency and pursue careers in STEM.
- Contribute engaging content to a robust program offering.
- Assist students in mapping out their pathways to a STEM career.
- Connect with high school girls who are interested in STEM.
- Provide girls from under-resourced schools with the tools and resources they will need to reach their STEM goals.
- Present cutting edge technologies and trends in STEM.
- Showcase how STEM skills can solve real-world issues.

Suggested Topics Include

- Design your Career Path in STEM
- Charting Your Course in Higher Education
- Building Equity in STEM: Resiliency and Empowerment
- STEM Challenges and Solutions in a Post-Pandemic World
- Entrepreneurial Leadership in the STEM World
- Emerging Technologies in STEM (i.e. Cyber Security, Food Science, Space, Machine Learning, Solar Power, Drone Technology, AI, Robotics, Aviation, Wildlife Conservation, Coding, etc.)
- Working with Big Data/Data Analytics
- Environmental Justice in STEM (i.e. Ecological Approaches to Food Production, Gaining Agency in Building Healthier Communities, etc.)
- STEM Solutions in Climate Change Mitigation
- Professional Development, Tools and Resources for STEM Teachers (this would be a session for the adult chaperones)

“I was filled with a sense of comfort when I saw the panel members who looked like me because I have never been exposed to women of color in STEM like that before...This event truly inspired me to become just like the wonderful STEM doctors who were on the panel!”
- Arielle M.
Suggested Session Formats Include

- Workshops
- Hands-on Demonstrations and Experiments
- Panel Discussions
- Project-Based Learning
- Other STEM Enrichment Activities

Sessions will be assigned 60 to 90 minute time slots depending on session content.

Proposal Requirements

- Session track category selection: Science, Technology, Math or Science
- Preferred room setup: Roundtables, U-shape, Classroom style, Theatre seating, etc.
- Preferred AV setup
- Session title and description
- Learning goals and objectives
- Relevance of topic
- Anticipated level of participant engagement
- Presenter and or facilitator contact information

Informational Sessions

STEM for HER will host two info sessions via Zoom on July 26th and August 9th to answer questions and provide help on filling out your presentation submission.

Contact us at info@stemforher.org for more details.

“The transition between high school and college is a critical moment when many young women turn away from a STEM career path.” - AAUW

“Only 1 in 5 graduates in engineering and computing are women.” - National Center for Science and Engineering Statistics
**I loved the fact that I got to meet women who are strongly interested in STEM and pursuing their dreams. This showed me that sure, life is not easy, but that I can persevere and achieve my goals just like they did and still are.**

- STEM for Her Program Participant

**THE FACTS SPEAK FOR THEMSELVES...***

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<thead>
<tr>
<th>Women in STEM</th>
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<tbody>
<tr>
<td><strong>Engineering Majors</strong></td>
<td><strong>Computer Science Majors</strong></td>
</tr>
<tr>
<td>21%</td>
<td>19%</td>
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<tr>
<td><strong>Minority Women Engineering Majors</strong></td>
<td><strong>Minority Women Computer Science Majors</strong></td>
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<tr>
<td>1.6%</td>
<td>3%</td>
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<td><strong>Female STEM Industry CEOs</strong></td>
<td><strong>Women of Color STEM Bachelor Degrees</strong></td>
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<td>3%</td>
<td>14.1%</td>
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“I loved that I was able to get to know the variety of jobs just within STEM that I may have not known of before.”

HANNAH J.
BROOKEVILLE, MD

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*Statistics provided by National Science Foundation*