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

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

www.stemforher.org/stemfoherday/
info@stemforher.org
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. Students will be exposed 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. (Breakfast, Lunch and snacks provided)

“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

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.
Students will:

- Participate in a full-day, in-person professional industry conference.
- Design their own schedules from four separate learning tracks filled with robust session content.
- Enjoy hands-on workshops, experiments, competitions, demonstrations and more.
- Map out their pathways to a STEM career.
- Learn about various higher education options in STEM.
- Gain access to top internship, career and university recruiters.
- Identify the tools and resources they might need along their STEM journeys.
- Learn about women in STEM throughout history.
- Hear from guest speakers and industry experts across the STEM disciplines.
- Discover cutting edge technologies and trends in STEM.
- Find out how STEM skills may be applied to real-world issues.
- Visit with exhibitors during dedicated times throughout the event.
- Connect with like-minded learners throughout the DC metro area.
- Play a role in the movement to build equity in STEM.

**Tentative Schedule**

- **8:00 am - Registration and Exhibits**
- **9:00 am - Welcome/Opening Session**
- **9:45 am - Break-out Sessions**
- **11:30 am - 12:30 pm: (net)Working Lunch and Exhibits**
- **12:45 pm - 2:30 pm: Break-out Sessions**
- **2:45 pm - 3:30 pm: Closing Panel Discussion**

“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.
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

“By graduation, men outnumber women in nearly every science and engineering field, and in some, such as physics, engineering, and computer science, the difference is dramatic, with women earning only 20 percent of bachelor’s degrees.” - AAUW

Women in STEM

<table>
<thead>
<tr>
<th></th>
<th>Engineering Majors</th>
<th>Computer Science Majors</th>
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</thead>
<tbody>
<tr>
<td>Women</td>
<td>21%</td>
<td>19%</td>
</tr>
<tr>
<td>Minority Women Engineering Majors</td>
<td>1.6%</td>
<td>3%</td>
</tr>
<tr>
<td>Female STEM Industry CEOs</td>
<td>3%</td>
<td>Women of Color STEM Bachelor Degrees</td>
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</tbody>
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Have fun, get inspired, find your spark...

BREAK BARRIERS

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

*Statistics provided by National Science Foundation