The Northwest Ohio Center for Excellence in STEM Education at Bowling Green State University's College of Education and Human Development has held the Women in STEM event since 2014, and this year, 2023, marks its 40th anniversary!

6th – 8th grade students attended this high-energy and impactful event on November 1st, to learn more about STEM fields of study and STEM careers through engagement in hands-on inquiry activities.

Sponsors of the event included BGSU, The Harold and Helen McMaster Foundation, The Anderson’s, Lubrizol and the Ohio STEM Learning Network of Battelle.
PARTICIPATING SCHOOLS

Bowling Green Middle School
Bryan Middle School
Buckeye Central Middle School
Chase STEMM
Eastwood Middle School
Edgerton High School
Fassett Junior High School
Hawkins STEMM Academy
Hull Prairie Intermediate School
Jefferson Junior High
Marshall STEMM Academy
McKinley STEMM Academy
Northwood Elementary
Riverdale Middle School
Spencerville Middle
Toledo Islamic Academy

SESSION STRANDS

28 UNIQUE PRESENTATIONS

- Building Up Girls: Wall Edition
- CSI - You are the detective!
- Career Opportunities in the Natural Gas and Oil Industry
- Careers in Environmental Science with a focus on Herpetology
- Chemilumi...What?!
- Coding Fun with Ozobots
- ENVIROSCAPE MODEL: Hazardous Waste Disposal & Cleanup
- Gelling with Science
- Interactive Art with Paper Circuits
- Let's Get Unruly with Splats!
- Let's Start Driving!
- Life on the Beach in Ohio - 390 Million Years Ago!
- Look at the Skies and be Mesmerized!
- Making Pigs Fly: Exploring the Intersection of Entrepreneurship and STEM Through the Creation and Pitching of a Wacky Invention
- Marble Machines
- Mursion Classroom Sim
- Navigating Our World
- PaperCity
- Playing in the Dirt! Soil Science as a Foundation for Many Outdoor Careers
- Satellite Images to See Earth
- Science Careers in Forensics
- Smashing Strawberries: A Hands on Path to STEM Interest & School Connections
- Solving Problems of Infinity and Beyond: Women in Mathematics
- Unlocking Digital Secrets: A Journey into Cybersecurity and Digital Investigation
- Wetland Marvels
- Water Quality
- Wildlife Conservation
- Zoo Careers in STEM

6 Suburban

6 Rural

5 Urban
**STUDENT RESPONSES**

**How interested are you in STEM topics?**

<table>
<thead>
<tr>
<th>Interest Level</th>
<th>Before attending Women in STEM</th>
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<tbody>
<tr>
<td>Not at all</td>
<td>10%</td>
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**How interested are you in having a career in STEM?**

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**STUDENT COMMENTS**

“I loved learning about forensic science and math. All the activities were enjoyable.”

“I loved my experience. I had fun in every class, and now I think I want a job in STEM.”

**TEACHER COMMENTS**

“GREAT exposure! The activities were fun and interesting. The girls were learning, but not in that traditional classroom setting. I saw a lot of smiling, laughing, and fun.”

“I really liked how all the presenters stressed that girls follow their passion. Even though many fields are mostly male dominated in STEM.”

“Its excellent exposure to different fields within STEM.Seeing other girls from across the area is also important - helps them to see the significance of the event. Also great exposure to college campus.”
“I believe that for the Women in STEM program, not only are the students learning new things, they are inspired to see new possibilities for their own lives and future careers. It’s an awesome and valuable program. We will have more female students join STEM fields because of this program and others like it. Thank you!”

“I think that event is great for girls to meet other women who are actively working in STEM or near STEM careers.”

“I believe that this event helped to open a lot of girls’ eyes to the world of STEM in ways that they may not have thought about before. The event showcased many entryways to the field of STEM for young girls. I believe that this will have a huge impact on how the girls think about STEM from here on out... it is more than just being a scientist in a lab.”

Over Half of the presenters indicated that this was their first or second year participating in Women in STEM, indicating that staff recruitment efforts to include new presenters appears to be successful.

As a presenter at Women in STEM, how worthwhile was your participation?

- Very worthwhile: 77%
- More than somewhat worthwhile: 18%
- Somewhat worthwhile: 5%
- Not worthwhile: 0%