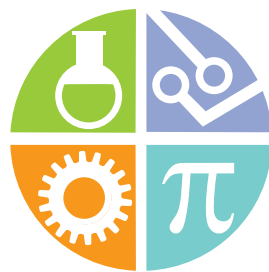




2023



Women
in STEM

Science, Technology, Engineering, & Mathematics

bgsu.edu/nwo/programs/women-in-stem

EVALUATION REPORT



440

People attended this high-energy event



341

Students from 16 different schools in northwest Ohio



61

Session presenters and co-presenters

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.

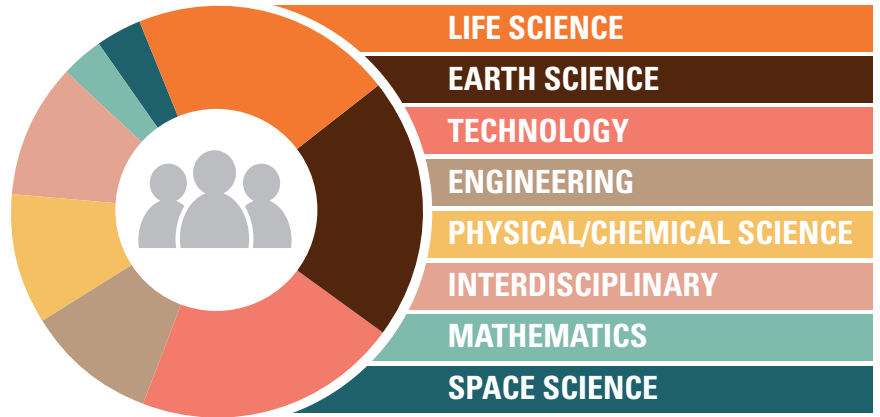
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BOWLING GREEN STATE UNIVERSITY



SESSION STRANDS



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

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

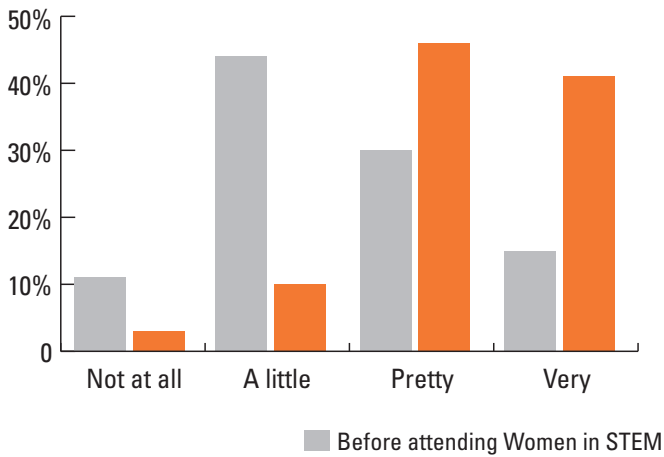
6 Rural



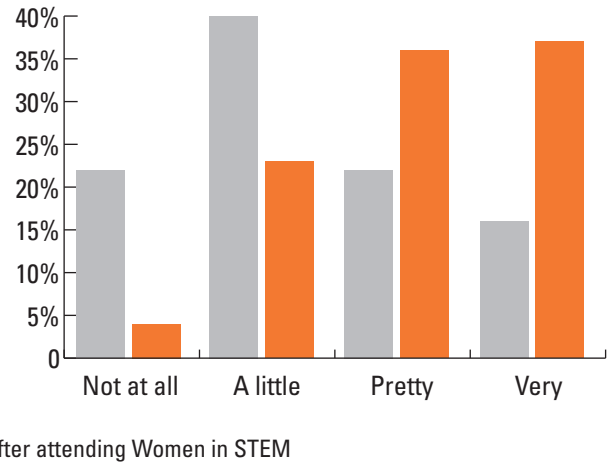
5 Urban

STUDENT RESPONSES

How interested are you in STEM topics?



How interested are you in having a career in STEM?



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."

“

Throughout my time visiting BGSU and participating in Women in STEM, I enjoyed it. The topics we explored were amazing! I loved my time here and it has increased my interest and appreciation for STEM. I hope I'll be able to come back next year!

“

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.

TEACHER COMMENTS

"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."

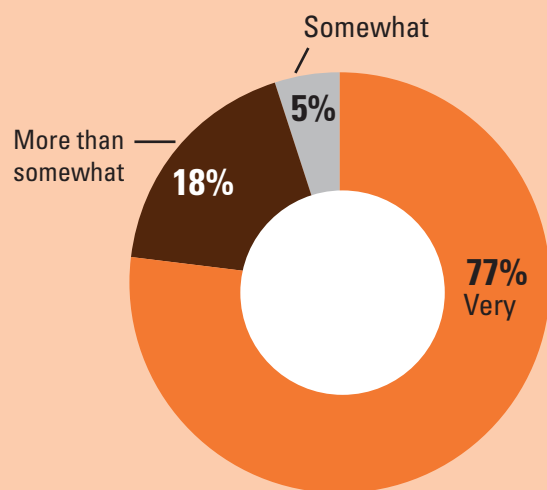
PRESENTERS' PERSPECTIVE

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.

"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."

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



“

I think it is phenomenal. It is very important to try to hook girls during middle school/junior high to get them interested in 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."

Sponsored in part by:

The Harold and Helen McMaster Foundation

