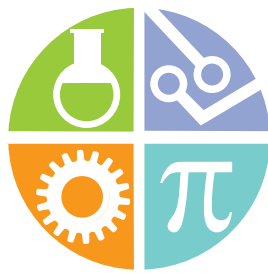


# 2024



# Women *in* STEM

Science, Technology, Engineering, & Mathematics

[bgsu.edu/nwo/programs/women-in-stem](https://bgsu.edu/nwo/programs/women-in-stem)

## EVALUATION REPORT



# 506

People attended this high-energy event



# 368

Students from 19 different schools in northwest Ohio



# 66

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 held the 41st Women in STEM event on October 17, 2024. 6th – 8th grade students attended this high-energy and impactful event 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 Anderson's, The Harold and Helen McMaster Foundation, Lubrizol, and the Ohio STEM Learning Network of Battelle.

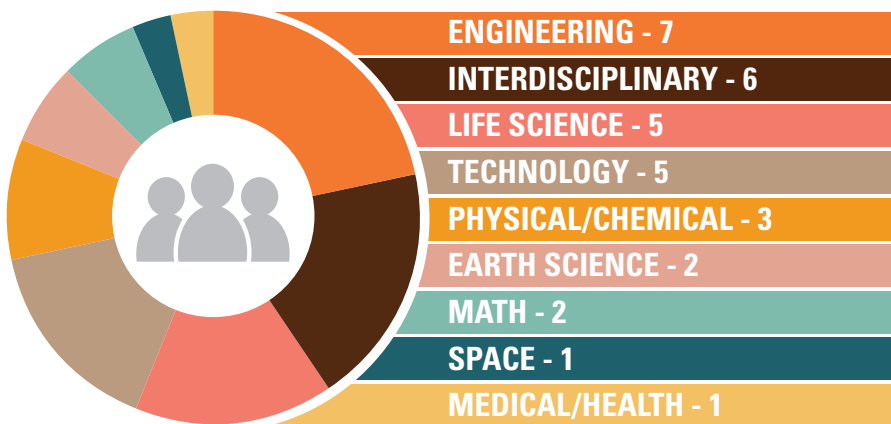
**BGSU**. A PUBLIC UNIVERSITY FOR THE PUBLIC GOOD.



**BGSU**. College of Education and Human Development  
BOWLING GREEN STATE UNIVERSITY



# SESSION STRANDS



## PARTICIPATING SCHOOLS

Arbor Hills Junior High School  
 Bowling Green Middle School  
 Bryan Middle School  
 Buckeye Central Middle School  
 Chase STEMM Academy  
 Edgerton Junior High School  
 Hawkins STEMM Academy  
 Hicksville Middle School  
 Hull Prairie Intermediate School  
 Jefferson Junior High School  
 Liberty Center Middle School  
 Marshall STEMM Academy  
 Maumee Middle School  
 McCord Junior High School  
 McKinley STEMM Academy  
 Northwood Elementary School  
 Ranger High Tech Academy  
 Timberstone Junior High School  
 Washington Junior High School

# 32

## PRESENTATIONS

- A Colorful Plate
- All About the Brain!
- Be a CreatAR! Let's Dive Into Augmented Reality!
- Building Up Girls: Wall Edition
- Chemilumi...What?!
- Coding Fun with Ozobots
- Digital Escape Room
- Draw a Dinosaur
- Excellent Ecosystems
- Forensics Mini Mystery
- Gelling with Science
- LED Light-up Greeting Cards
- Let's Get Unruly with Splats!
- Making Pigs Fly: A Wacky Invention
- Marble Machine
- Mathematicians In Heels
- Microscope Mysteries
- Nuclear Know How
- Pipeline Systems & Transporting Natural Gas
- Prime Time for Women
- STEM Design Thinking
- Shake, Rattle, & Build!
- Solar Panel Energy
- TILES - Collaborating and Constructing Immersive Learning Environments
- Telling Time By The Stars
- The Rock Files: Earth vs. Moon
- The Science of Slime
- Tippy Towers
- Wetlands and Water
- What does your Path look like?
- Who Drank My Venti Whipped Double Shot Pumpkin Spice Cold Brew?- A Crime Scene Investigation
- Who done it? A CSI Investigation

# 32

## ORGANIZATIONS

- Abbott Labs
- Armstrong Air & Space Museum
- BGSU Life Design
- BGSU Math Education
- BGSU Physics and Astronomy
- BGSU Psychology - Neural and Cognitive Science
- BGSU School of Engineering
- BGSU School of Inclusive Teacher Education
- Bowling Green Middle School
- Buckeye Central Local Schools
- EHOVE Career Center
- ESC of Lake Erie West
- Findlay City Schools
- First Solar, Inc.
- Imagination Station
- Learning Blade
- Lourdes University
- Lubrizol
- Lucas County Soil & Water Conservation District
- North Baltimore Local Schools
- North Point ESC/Genoa Schools
- Nourish
- Ohio Department of Natural Resources
- Ohio Natural Energy Institute
- Ohio State Highway Patrol Crime Laboratory
- Penta Career Center
- Texas Instruments
- The Lathrop Company
- Toledo Zoo
- Young Entrepreneur Institute



# 10 Suburban

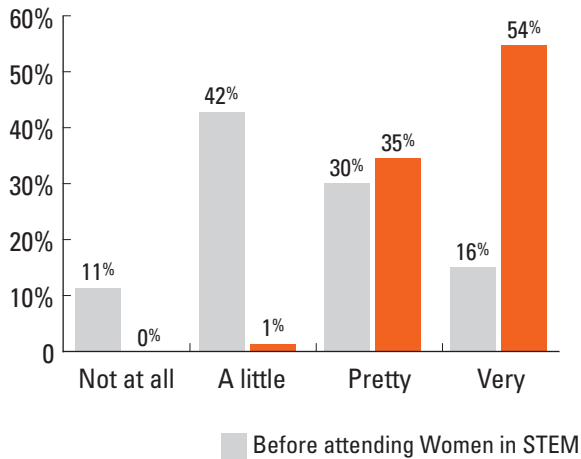
# 5 Rural



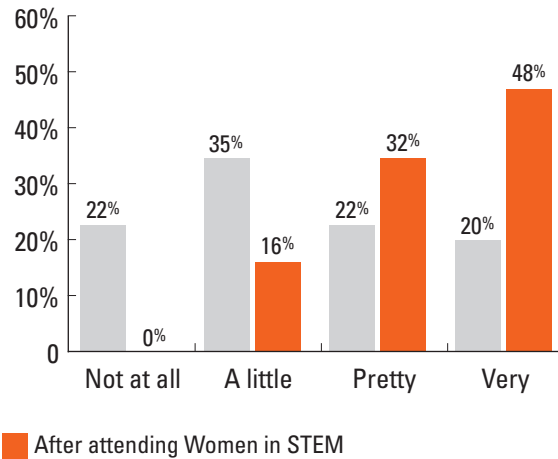
# 4 Urban

# STUDENT RESPONSES

How interested are you in STEM topics?



How interested are you in having a career in STEM?



## STUDENT COMMENTS

*“My experience was amazing, and I loved it so much! Now I really want to do a career in STEM.”*

*“I like STEM because you get to do a bunch of hands-on things. It was great.”*

*“I loved it. I would like to come to BGSU when I grow older.”*

“

*My experience was fun and it was great hands-on learning. This experience changed the way I feel about STEM. I was a little bit interested but now I am very interested.*

“

**BEST DAY OF THE YEAR!**  
 Seriously so well organized and engaging. The sessions were Mind-Blowingly good! Our kids had fun and talked about science and education for the rest of the day. They enjoyed hands-on activities the most.

## TEACHER COMMENTS

*“They leave excited and thinking about new possibilities for their future!”*

*“I think this experience shows a vast number of careers and pathways that involve STEM. It allowed our girls to get different perspectives. 10/10 experience!”*

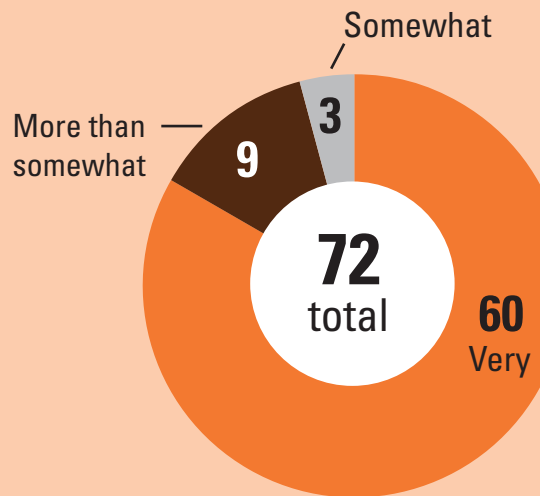
*“The sessions were engaging, presenters were relatable and fun. This is my first year, I was impressed!”*

# 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 think it is very helpful for them to see different ways they can be involved in STEM. We told the group how varied our backgrounds were and what our interests were at their age so we could help them see that we don't all have to be math experts to be in a STEM field. The more they see and hear this the more likely they are to see themselves involved in STEM."*

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



**“**  
It's important that all of the STEM disciplines be represented. I think this broad exposure will excite the participants and open their eyes to the array of possibilities in STEM fields.  
**”**

*"I think the event has a significant impact on the students that participate in this event. It gets them exposed to various fields they can get involved in and the activities help grab their attention and get them excited about STEM fields."*

Sponsored in part by:

The Harold and Helen McMaster Foundation

