

Girl's STEM Day Conference Registration

Registration Options:

Online:

http://urezsignup.com/event/register.php?event_id=491123



Mail:

Send the completed registration form and check to:

Mary Lori Bryne
Co-Chair
679 South Pier Drive,
Sheboygan, WI 53081

Payment Information:

\$10 per student (includes instruction and supplies)

Check Enclosed:

Payable to AAUW Wisconsin Foundation

_____	\$ _____
Check number	Check amount

Student and Contact Information:

Student Name(s) _____

School Name(s) _____

Parent Name(s) _____

Address _____

City _____ State _____ Zip _____

Phone _____

E-mail _____

COMPLETE BOTH SIDES OF FORM

This is not a school-sponsored activity and the Sheboygan Area School District does not approve, support, or endorse this program/activity.

About the Keynote Speaker



Dr. Marissa Jablonski
Freshwater Collaborative of Wisconsin
University of Wisconsin, Milwaukee

Dr. Marissa Jablonski is an accomplished water engineer, environmental advisor, and plastics-reduction expert who has worked in more than 45 countries around the world. Communication and connection are two aspects that Dr. Jablonski uses in engineering education, water distribution and sanitation design and construction. Dr. Jablonski is the Executive Director of the Freshwater Collaborative of Wisconsin at the University of Wisconsin, Milwaukee. She is a founding member and mentor to the UW Milwaukee Chapter of Engineers Without Borders. She also advises on the collaborative design and implementation of projects in Guatemala. Dr. Jablonski holds a PhD in environmental engineering and has worked in Washington D.C. on policy issues at the United States Agency for International Development (USAID). Marissa Jablonski is a strong advocate for minorities and women in STEM as well as an enthusiastic and motivational speaker. Through storytelling and the presentation of tips and tools she helps young people engage with STEM and begin to create the future of their dreams by speaking up and working together.



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SPECIAL THANKS TO ZIMMERMANN FOR DESIGN AND PRINTING OF THIS BROCHURE

Hosted by

Sheboygan Branch,
American Association of University Women



QUESTIONS?

We are happy to help.
Call 920-458-9224



6th Annual Girls' STEM Day Conference

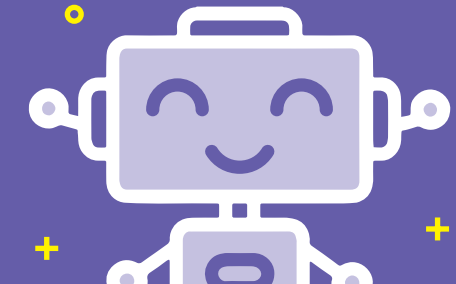
For 6th to 9th grade girls

Encouraging young girls to discover, explore, and learn from STEM field experts

Saturday, November 4, 2023

7:45 a.m.-12 p.m.

Sheboygan South High School
3128 South 12th Street, Sheboygan, WI 53081
South 12th Street/Washington Avenue



Only **\$10**
per student

+ Schedule of Events

Student Sessions

7:45-8:15 a.m.	Check-in at South High School, 1240 Washington Ave, Sheboygan, WI
8:15-9:00 a.m.	Welcome Presentation and Keynote Speaker, Dr. Marissa Jablonski
9:15-10:00 a.m.	Session I
10:15-11:00 a.m.	Session II
11:15 a.m.-12:00 p.m.	Session III

Select from 10 sessions!



10 STEM-Inspiring Sessions

ROBOTIC SURGERY

The invention of the surgical robot has changed the way surgeons treat patients. When people think about robots, they often think humans are not needed to operate them. That's not the case with surgical robots. A specially-trained surgeon is in the operating room making all the moves. You will see how the surgical robot works, will have a chance to try it, and see why it's the future of surgery. *Presented by Dr Jessica Leszczynski, Prevea Health*

CHEM DEMONS

Enter the world of demon snakes, fire-breathing dragons, glowing creatures, and bomb-throwing beetles. Learn how chemicals in the lab can imitate real organisms and creatures from legend that can give off light, heat, acid, fluids that change color, or smelly, hot gases. Even discover some of the strange things that your body can do! You must be brave of heart to enter the world of Chem Demons. *Presented by James Kabrhel, UW-Green Bay/Sheboygan and Pam Salm, Sheboygan Falls Middle School Teacher.*

CRIME SCENE INVESTIGATION

A Sheboygan Sheriff's Detective will explain the importance of crime scene management and preservation. Participants will observe different evidence and participate in lifting fingerprints. *Presented by Detective Tyler Wuestenhagen*

THE SCIENCE OF COLOR

Color is all around us. It can affect our moods, create depth and dimension in materials, and even play tricks on us! Come learn about the science behind color and appearance, including how our eyes perceive color, how lighting impacts the color we perceive, and how we measure and quantify color. Includes a hands-on activity to make a spectroscope from recycled materials to analyze light. *Presented by Jennifer Tarplee, Kate Revelis, Megan Doege, Megan Sprenger*

ARCHITECTURE – DESIGNED AWARENESS

You will learn through a process of discovery, development and delivery of architectural services using the Johnsonville Sausage Corporate Headquarters as a model. Using the "Design Charrette", you will help each other come up with the next phase of the plan. At the end, you'll present your designs to the group and be critiqued on your design. *Presented by Kurt Davis, Anne Blanke, Taylor Kranzusch, Sydney Goetsch, Sam Krakow, Abacus Architects*

ENGAGE IN COMPUTERS

Have fun learning about the inner workings of a computer, about the types and tools of software programming and data management. Create simple programs in Scratch (scratch.mit.edu) and find out about related career opportunities. *Presented by Laura Lienau, Horizon Systems*

A LOOK INSIDE THE BOVINE HIDE

Ever wonder what a cow's heart feels like? How about lungs? Slip on a pair of exam gloves and palpate your way through these plus more fresh cow organs. Learn why cows give milk with hands-on reproductive tract examination and dissection. View jars containing interesting livestock parasites and anomalies. If you are interested in veterinary science, this workshop is for you! *Presented by Dr Ellen Hooker, Veterinarian, WI Department of Agriculture*

SENSORY OF SAUSAGE

Explore how sensory scientists evaluate products and take part in a sensory evaluation test of meat snack sticks. Students will learn how sausage is developed by food scientists to create scrumptious sausage eaten worldwide. *Becca Stayner, R&D Associate Scientist, Johnsonville Sausage Corporation*

BLOOD AND BODY WORKS

Students will use the integration of technology found in high-fidelity simulation mannequins to gain insight into prehospital and nursing healthcare fields. EMTs and nurses use this equipment to manage an unresponsive patient's airway, control severe bleeding from an extremity, and monitor a patient's heart rhythms. Students will be guided by career paramedics, nurses, and pre-hospital educators giving them awareness of skills used in a patient's diagnosis, treatment, and quality of life. *Presented by Jean Zemke, EMS/Community Educator, Aurora Regional EMS*

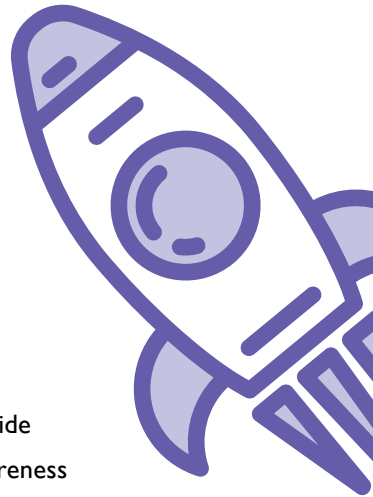
BEGINNER'S GRAPHIC DESIGN

Graphic design is present throughout all aspects of our daily lives. From packaging to logos to this STEM brochure, graphic design helps convey ideas to others. Learn some basic design elements and use them to create a personal graphic symbol in this beginner's class to graphic design. *Presented by Deb Sevens, Designs by Deb Sevens*

Session Selection:

For each registered girl, please check their top three session choices. Please note that all registrations are taken on a first-come, first-served basis. Session choices are not guaranteed. We do our best to place girls in their three class choices. Session assignments are final once confirmed. We cannot put girls into specific sessions based on wanting to be with their friends. Sessions will not be assigned without payment.

- Robotic Surgery
- Blood And Body Works
- Chem Demons
- Crime Scene Investigations
- The Science Of Color
- Engage In Computers
- Beginner's Graphic Design
- Sensory Of Sausages
- A Look Inside The Bovine Hide
- Architecture-Designed Awareness



Scholarships are available for this conference. Please call 920-458-9224 for more information.

Liability Statement:

The undersigned does hereby agree to hold harmless and indemnify the Sheboygan Branch, American Association of University Women, from any and all liability, loss, damages, costs or expenses which are sustained, incurred or required arising out of the actions of children of the undersigned in the Girl's STEM Conference.

Parent's or Guardian's Signature

Date

Photo Release:

I understand that the sponsors may take photographs and/or video footage of Girl's STEM Day participants and activities. I agree that the sponsors shall be the sole owner of this content and may use such photographs and video relating to the promotion of future Girl's STEM Day Conferences.

Parent's or Guardian's Signature

Date

COMPLETE BOTH SIDES OF FORM

Registration Deadline: Friday, October 27, 2023