

Girl's STEM Day Conference Registration

Registration Options:

Online: http://urezsignup.com/event/register.php?event_id=491122

Mail: Send the completed registration form and check to:
Dolcye Johnson
Co-Chair
1306 N 3rd Street, Sheboygan, WI 53081

Payment Information:

\$10 per student (includes instruction and supplies)

Check Enclosed:
Payable to AAUW

_____	\$ _____
Check number	Check amount

Student and Contact Information:

Student 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



Kathryn Clouse
Kohler Company

Kathryn Clouse runs the Innovation Program for Kitchen and Bath products at Kohler Co. She helps ensure Kohler Kitchen and Bath products stay up-to-date with technology, among other responsibilities. She has a bachelor's degree in Engineering Mechanics from UW-Madison and a Masters of Business Administration from UW-Oshkosh. Kathryn advocates for women's and girl's topics often as she is also the president of the Kitchen and Bath Women's group at Kohler and founder of the female-centered innovation focus within the women's groups. Kathryn is a passionate believer in the strength girls and women bring in STEM fields, and she can't wait to talk more with you about it.



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SPECIAL THANKS TO ZIMMERMANN PRINTING FOR DESIGN AND PRINTING OF BROCHURE

Hosted by

Sheboygan Branch,
American Association of University Women



QUESTIONS?

We are happy to help.
Call 920-458-5819



5th Annual Girls STEM Day Conference

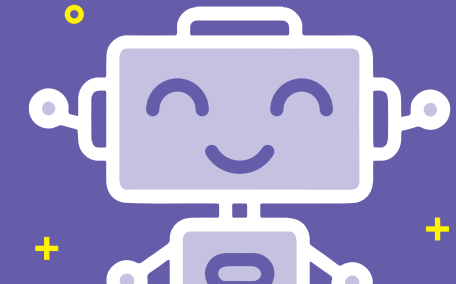
For 6th to 9th grade girls

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

Saturday, November 5, 2022

8 a.m.-12 p.m.

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



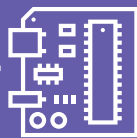
Only **\$10**
per student

+ Schedule of Events

Student Sessions

8-8:30 a.m.	Check-in at South High School, 3128 South 12th Street, Sheboygan
8:30-9 a.m.	Welcome Presentation and Keynote Speaker, Kathryn Clouse, Kohler Company
9:15-10 a.m.	Session I
10:15-11 a.m.	Session II
11:15 a.m.-12:00 p.m.	Session III

Select from 11 sessions!



11 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 and 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, Rachel Feldmann, Kate Revelis, Stephanie Soendker, Kohler Co.*

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*

BEADED BINARY BRACELET BOUTIQUE

Learn about different number systems and how computers read information. Then use the binary number system to translate your name into "computer speak". Turn the translation into a bracelet that you can take home. *Presented by Synde Kraus, Senior Math Lecturer, UW-Green Bay*

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*

HYDROPONICS

Many of us think that all vegetable gardens have to look alike, with rows and mounds of dirt, but vegetable gardening isn't limited to this anymore. In fact, many of the fresh fruits and vegetables you buy in the store are grown hydroponically. Learn how to create a basic hydroponic system to grow your own herbs or veggies. *Presented by Tracy Heinbuch and Katelyn Sibley, Plymouth High School*

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*

FLOWERS AND FRAGRANCES

Humans can recognize more than 10,000 scents. Practice recognizing scents by smelling different chemicals on scent sticks. Learn how the body recognizes and interprets scents. Design a unique fragrance for a particular purpose. *Presented by Senior Scientists from MilliporeSigma*

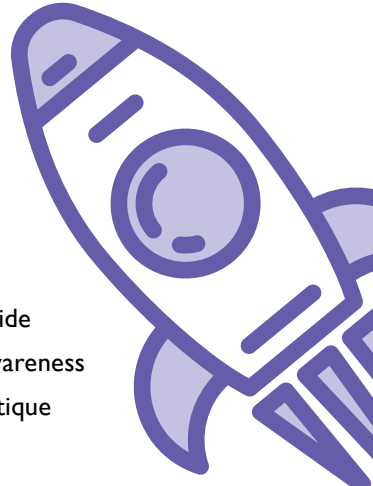
SENSORY OF SLICES

Explore how cheese blends used on pizza are developed by food scientists to deliver the tastiest pizzas around. Students will learn about product development and sensory science while performing sensory evaluations on various pizzas and cheeses. *Presented by Claire Collins, Sartori Cheese*

Session Selection:

For each registered girls, 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
- Chem Demons
- Crime Scene Investigation
- The Science Of Color
- Hydroponics
- Beginner's Graphic Design
- Sensory Of Slices
- A Look Inside The Bovine Hide
- Architecture – Designed Awareness
- Beaded Binary Bracelet Boutique
- Flowers And Fragrances



Scholarships are available for this conference.
Please call 920-458-5819 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 28, 2022