

Girl's STEM Day Conference Registration

Registration Options:

Online:

<https://aauw-106470.square.site/>



Mail:

Send the completed registration form and check to:

Laura Lienau
1127 Swift Avenue
Sheboygan WI 53081

Payment Information:

\$10 per student

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



Jennifer L. Lehrke
President, Principal Architect,
Interior Designer & Historic Preservation
Consultant at Legacy Architecture

Master of Architecture
with Preservation Studies,
University of Wisconsin, Milwaukee

Jennifer Lehrke is owner and president of Legacy Architecture in Sheboygan, WI. Jennifer is committed to preserve the legacy of the past with promoting environmentally responsible building practices for future generations. Legacy Architecture is an award-winning architecture, interior design, and historic preservation firm located in downtown Sheboygan. Legacy's goal is to enable their clients to live and work more sustainably by providing creative, timeless designs and exceptional professional services aimed at preserving the past, designing for the present, and planning for the future. Eighty percent of their work involves existing buildings. Legacy's most notable local projects include the Stephanie Weill Center and Bookworm Gardens.



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SPECIAL THANKS TO ZIMMERMANN CO. 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



7th Annual Girls' STEM Day Conference

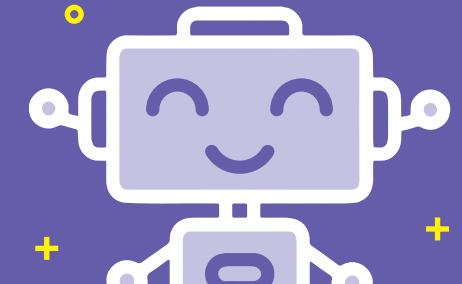
For 6th to 9th grade girls

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

Saturday, November 2, 2024

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

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



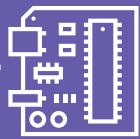
Only \$10 per student

+ Schedule of Events

Student Sessions

7:45-8:15 a.m.	Check-in at South High School, 3128 South 12th Street, Sheboygan, WI
8:15-9:00 a.m.	Welcome Presentation and Keynote Speaker, Jennifer L. Lehrke
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

Welcome, brave scientists in-training, to the thrilling Chemistry Escape Room Challenge! Step inside the lab and ignite your curiosity. Harness the flame and discover the hidden message within to find the clue: decode the hidden message with your wizard-like chemistry power. A myriad of puzzles awaits. Find and release the key to stop the clock and your prize awaits. Prepare for an immersive adventure through the wonders of chemistry! Presented by Bree Lybbert, UW-Green Bay, Amy Kabrhel, UW-Green Bay

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 all 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 Megan Sprenger, Megan Doege, Samantha Kraft, Shari McWilliams, Kohler Company

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 Abacus Architects: Anne Blanke, Samantha Lee, Sydney Goetsch, Taylor Kadletz

GROW FRESH PRODUCE HYDROPONICALLY

Let's grow plants without soil! We will focus on the science of hydroponics and explore the different ways to grow plants without soil. Learn about the Fork Farm Hydroponic system which is used by Howards Grove High School students to grow lettuce for the Sheboygan Food Bank. Presented by Makayla Malone, Teacher at Howards Grove High School, and Howards Grove FFA participants

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

MEDICAL DEVICES MADE FROM PIG

Recent news headlines have us hearing about early stage heart transplants from pigs to humans. Did you know there are many medical devices and pharmaceuticals produced from pigs and used in human medicine? You will have the opportunity to prepare materials from pigs that can be transformed into surgical products. See what wound healing devices can be made for humans. Presented by Aubrey Doherty and Lauren Sammel, Sustainable Swine Resources, Johnsonville

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

DIRTY JOBS: SNEAK PREVIEW INTO ENVIRONMENTAL CONSULTING

Join us for an exciting adventure into the world of environmental consulting! Participants will dive into the role of environmental scientists and consultants. Through hands-on activities and experiments, students will learn how and why to test and analyze environmental factors such as water quality, air pollution, and soil health. Presented by Kelsey Bird, Engineer, Kendyl Hoss, Hydrologist, Kylene Bruckner, EHS Specialist, Jenn Zillmer, EHS Project Manager, Jeanie Angel, Project Assistant, Fehr Graham

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
- Medical Devices Made From Pig
- Growing Fresh Produce Hydroponically
- A Look Inside The Bovine Hide
- Architecture-Designed Awareness
- Dirty Jobs: Sneak Preview Into Environmental Consult



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 Girls' 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 Girls' STEM Day Conferences.

Parent's or Guardian's Signature

Date

COMPLETE BOTH SIDES OF FORM

Registration Deadline: Friday, October 25, 2024