

Registration Info

Registrations will only be accepted accompanied by the enclosed liability/release form and workshop choice insert completed. Please note that all registrations are taken on a first-come basis.

Workshops will not be assigned without the enclosed forms or payment. To secure your spot in the workshop, please mail or bring your registration to:

Continuing Education Department
One University Dr, Sheboygan WI, 53081

Girls **MUST** be between the grades 6-9. This program is funded by sponsors and all workshops are held by professional specialists who are volunteering their services for the day to specifically engage this age range in the STEM fields. Because of limited space, unfortunately if your daughter is "almost" 6th grade, she will need to wait to join our STEM Day until next year!

We strive to encourage young girls to pursue their interests in STEM fields by presenting them with the opportunity to speak to and learn from those who have already attained success in their field. We hope to present them with the opportunity to make connections with new people and those like-minded individuals to encourage friendships and personal connections. For this reason, we are unable to honor requests for girls to be put in the same workshops as a friend.

Workshop choices are not guaranteed. Though we will do our best to place girls in their top four choices, in order to accommodate everyone we cannot guarantee spots in workshops.

Workshop assignments are final. Please be aware that changes to workshops cannot and will not be made once they are confirmed.



SOUTHEAST REGION

Continuing Education
in cooperation with UW-Extension
Serving Sheboygan, Washington, and
Waukesha Counties



Key Note Speaker: Anne Troka

Anne Troka is the Workforce Development Liaison, Sargento Foods Inc. Prior to joining Sargento, Anne was the Plymouth Education Foundation, Executive Director, where she led the \$1 million capital campaign to build the Food Science and Agriculture Center, raised funds to support the new Science, Technology, Engineering, Arts, and Math (STEAM) Center at Riverview Middle School, and created a new grants program to enhance the educational experience for all students in the Plymouth School District. Anne is a graduate of Marquette University. She is a wife and mother to four boys. Anne is passionate about making a difference, especially helping all students to prepare themselves to become successful after graduation.

A BIG thank you to our sponsors!

Aurora Healthcare
Johnsonville Foods, Inc
Lucy DallaValle
Masters Gallery Foods, Inc
Rockline Industries

Questions?

We're happy to help!
www.sheboygan.uwc.edu/ce
262-521-5460
email: shb-ce@uwc.edu

UW-Sheboygan
Continuing Education & AAUW is
proud to bring you our 1st
Annual Girls' STEM Conference

for girls grades 6-9

Saturday,
November 4th,
2017

8:00am-12:15pm

A great day with.....
....exciting workshops
....fun prizes
....and so much more!



Girls STEM
UW-Sheboygan
AAUW

*Logo design by Grace Gagnon, UW-Sheboygan student

Girls' Schedule of Events

8:00-8:30 am~ Check-in at UW Sheboygan
8:30-9:00 am~ Welcome Presentation & Key-note Speaker
9:10-9:55 am~ Session I
10:05-10:50am~Session II
11:00-11:45am ~Session III
11:55-12:15pm ~ Wrap-up and pick-up

Parent Morning

8:30-9:00 am~Welcome Presentation with girls
9:15-10:15 am~Keeping Your Teen Safe Online" with Sheboygan Police
10:15-11:15 am ~College Prep 101

Parents will have the opportunity to participate in a workshop catered to one of the biggest growing issues in an adolescence's life today; social media. The Sheboygan Police Department will explore ways that you can help to keep your children safe, while still allowing them the freedom to use social media! The parent program will also discuss higher education options, a suggested timeline for college preparation, what your student can do now and throughout high school, and how to apply for scholarships. We'll talk about all of that! Make sure you bring your questions!

Please RSVP for this learning opportunity!

_____ Yes! I would like to attend the parent session.

_____ No, I will not be able to attend the parent session.

Workshops

1. COLOR BY NUMBERS

Color is all around us; it can affect your mood, create depth and dimension in materials and even play tricks on us. Have you ever wondered why your clothes match in your closet but suddenly appear different when you walk outside? Come learn about the science behind color and appearance, including how our eyes perceive color, how we measure and quantify color, and how we test for color vision and deficiencies.

2. SQUISHY CIRCUITS

Create a simple circuit out of insulated and conductive play dough, then connect them to a battery and watch it light up with an LED bulb.

3. GOT HEART

Through use of models, learn how the heart functions. See what happens with poor nutrition, smoking and lack of exercise. Learn Hands-Only CPR and AED. If you're the first one on the scene when someone has a heart attack, do you know what to do? Immediate CPR can save a life. The course will not certify students in CPR.

4. WHAT IS THE BEST CHEESE FOR BRATWURST

Learn how to use Food Science to choose the best cheese for your bratwurst. There are more variables than you might think! Blend, cook, and taste to discover how food scientists deliver the best cheese bratwurst to your dinner table.

5. DNA EXTRACTION

Deep inside a sweet delicious strawberry is the secret to everything about the fruit. It's a gooey white substance that you never notice, but you eat it each time you pop one of those sweet berries in your mouth. It's called DNA, and it is within all living organisms. You will physically hold strands of DNA between your fingers. Come join the fun!

6. 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 gasses. You must be brave of heart to enter the world of Chem Demons!

7. FUTURE ENGINEERS

We take robotics to the next level! Be among the first to engineer with the newly released LEGO EV3! This state-of-the-art programmable "brain" allows students to build and program their own robots. With four input ports and three output ports for following your commands, students can build, customize, program, and/experiment with their own amazing robots!

8. A LOOK AT THE BOVINE HIDE

Learn about the dairy industry in Wisconsin. Students (with gloved hands) get to feel what fresh reproductive organs from cows at slaughter are like. Students (with gloved hands) can also feel real lungs, muscles, and heart and learn where the tissues come from.

9. HERE COMES THE SUN

Learn how solar energy is changing the way we power our homes with an overview of how photovoltaic systems work. Also learn how solar energy is being used to bring electricity to change the lives of people in third world countries.

10. TIC TAC TOE: THE BASICS OF COMPUTER GAMES!

Almost everything we have is controlled by a computer program. Have you ever wondered how a computer program/game works? How does it know what to do when you click on something in a game? What about Tic Tac Toe?! In this workshop, we'll work together to develop the rules for our game and examine our game step by step. If you are a gamer or ever thought about how a computer program can do so many things, this workshop is for you!

