**Workshops**

1. **DIY Organisms: The Story of Evolution**
   Have you ever wondered about the amazing diversity of life on Planet Earth and how so much diversity has come about? Learn about natural selection and participate in a hands-on simulation where you will see first-hand how natural selection works. Be in charge of creating your own organism! It might not turn out like you planned...

2. **A Sticky Situation**
   What gives certain foods their texture and what holds them together? In this workshop, our Food Scientists are back and will teach you about the different types and functions of gums by creating your own chewing gum!

3. **All About Bridges**
   Bridges provide essential links between places, providing us with access to resources, other places and other people. Bridges enable roadways to pass over waterways and through mountains, saving driving time or even connecting areas that would otherwise be inaccessible. Learn all about bridges from civil engineers and build your own bridge!

4. **Reptiles and Amphibians, Oh My!**
   What makes an amphibian different from a reptile? What are the different types, or groups of reptiles? Come prepared to bust myths and misinformation about these misunderstood animals, and learn all about the diversity of reptiles, what they eat, where they live, how they defend themselves, and much more!

5. **WINC: Helping You to Help Wisconsin Wildlife**
   What do I do if I find a baby bird or orphaned wildlife? With the help of their animal ambassadors learn how the Wildlife in Need Center is available to you and Wisconsin’s native wildlife for rescue, rehabilitation and release back into a healthy environment. Featured in this workshop is the chance to meet several of the animals WINC helps, including, a Barred owl, an American Kestral, a Bull snake and an ornate turtle!

6. **So What’s All The Blood About?**
   Have you ever wondered what blood looks like under a microscope? Learn about the different cell types that are in blood, and their functions. Examine test-tubes with different blood samples to see what blood dotting looks like!

7. **An Astro Safari**
   Join us for an exciting adventure through space and time! On this journey we’ll explore the zoo of exotic and mysterious objects that make up our universe, from the periodic pulse of neutron stars to the bewildering bottomless pits of black holes. Join us as we take a stab at the age-old question: are we alone in this universe?

8. **A-maze-ing: Techniques for Constructing Mazes**
   Most of us like to solve mazes, but have you thought of constructing mazes yourself? There is more than you think to creating a maze! We’ll go over some basic techniques that you can use to create all kinds of mazes. We’ll have fun creating an A-maze-ing maze!

9. **Future Engineers**
   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!

10. **Adventures in Veterinary Medicine**
    Adventures in Veterinary Medicine is a fun and exciting way to learn about what veterinarians do, how to become a veterinarian and the varied career opportunities within the profession. Build your vet skills! Practice bandaging and suturing, learn how to read x-rays and perform ultrasound!

11. **The Human Skeleton**
    Learn all about bones! Learn to identify the bones in the human body, how to determine sex and age range, and even how to look for evidence of trauma and disease while using a real human skeleton! At the end, get your very own case study to practice your new skills!

12. **An Introduction to Graph Theory**
    Ever heard of the Seven Bridges of Königsberg? This historically notable problem in mathematics laid the foundations of graph theory. Come and try to get around a make-believe town with seven bridges, by crossing each bridge completely, but only once!

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**GEMS Day**

8:00am-8:45am — Check-in at UW-Waukesha
9:00am-10:15am — Keynote Speaker & Student Panel
10:15am-11:15am — Parent Workshop & Student Panel
10:25am-11:15am — Session I
11:25am-12:15pm — Session II
12:15pm-1:20pm — Lunch, Upcycle Fashion Contest
1:30pm-2:20pm — Session III
2:30pm-3:20pm — Session IV
3:20pm-3:30pm — Wrap-up and pick-up

* Parents are welcome to join us for the Keynote Speaker presentation and the student panel! Afterward, please feel free to join us for your own student panel and workshop! *

Don’t forget to register for the Upcycle contest!

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A Big Thanks to our Sponsors!

American Family Insurance
RW Baird
SPX Transformer Solutions
Wheaton Franciscan
Meet the Winners of the Amazing Race!

Amy Dejong and Maya Warren are a team of Food Scientists and are the winners of the 25th Season of the Amazing Race! Both Amy and Maya are from Madison, Wisconsin, and they are the third female-only team to win the Race! Amy and Maya will discuss what they do as food scientists, how they chose Food Science as their career, and how they ended up on the Amazing Race. For both women, competing in the Amazing Race was completely outside their comfort zones, but something they always wanted to do! They hope their story inspires others to put themselves out there and accomplish things they never thought possible!

Keynote Presentation

Registration Info

Registrations will only be accepted accompanied by the enclosed liability/release form and 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 the Continuing Education office at 1500 N University Dr., Waukesha, WI 53188. Sorry, registrations are not available online or by phone.

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

Questions?

We're happy to help!
www.waukesha.uwc.edu/ce  262.521.5460
email: wakce@uwec.edu

Upcycle Competition

Win a $50 Visa gift card!

Join us for our second annual GEMS Upcycled Fashion Contest! All girls attending the conference will have the chance to create an upcycled fashion item to bring on the day of the conference. Items will be voted on during lunch and the winners will be announced at the end of the day. Official entry forms will be mailed with your workshop confirmation, or visit us online at www.waukesha.uwc.edu/ce for contest details and entry form.

Student Panel

Girls will have the opportunity to ask current college students any questions they may have! All of our student panel participants are college students attending local schools in our area. Our student panelists will reveal some valuable tips and tricks for being a successful college student! Parents will also have the opportunity to ask questions after the girls begin their first sessions!

Parent Session

Small Market Planning for College

There may have been a time when people could count on savings bonds or CDs to pay for college. But today, most of us now need to know about other possible saving options. It is necessary to ensure that the money put away for college works much harder to stay ahead of future increases in college education costs. Join MetLife Financial Advisor Chuck Winn as he provides valuable guidance and insight that will help you in the future.

ONE-DAY CONFERENCE FOR GIRLS

Ages 11-14
Saturday, May 30, 2015
9:00am - 3:30pm

A great day with...
...winners of The Amazing Race!
...exciting workshops!
...fun prizes!
...parent session!
...special luncheon!
...upcycle contest!

Questions?

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