

## **Mentor and Volunteer Registration is open for IGED 2018**

Join us for Introduce a Girl to Engineering Day (IGED) on **March 2, 2018** at the Bartle Hall in downtown Kansas City. In its eighth year, IGED introduces girls in high school in to engineering disciplines through a keynote speaker, hands on activities, a discipline fair, an industry fair and by partnering with an engineer in the Kansas City community for the day. Know a student who might be interested? Would you like to mentor students throughout the day? Find registration information for students and mentors on our website at <https://kcsweiged.blogspot.com/p/iged.html>. Sign up soon! Registration closes Friday, January 26th!

## **Expanding Your Horizons Volunteers Needed**

An upcoming event in which we are needing 4 volunteers. Expanding Your Horizons is hosting an event at Union Station's Science City on Friday, January 26, 2018 from 6-10pm. SWE-KC is running one of the activities. Volunteers will need to be there by 6:15pm to prepare an airplane exercise, which will begin at 7:10pm with 20-25 girls. The activity will last 45 minutes and then another group of 20-25 girls will come through to do the same thing at 9:00-9:45pm. The airplane exercise teaches the participants about the properties that engineers look for when designing an airplane (thrust, lift & drag). All supplies will be provided in advance. Please contact Mandy Kelley ([mandyrkelley75@gmail.com](mailto:mandyrkelley75@gmail.com)) for more information.

## **KCKPS Volunteer Opportunity**

Washington High School in Kansas City, KS, is looking for engineering professionals to join our senior students during the upcoming Career Cafe. The event will be held on January 26, 2018 from 10:30 am to 12:30 pm.

I will be in attendance at tonight's event to promote the KCKPS Diploma+ program and make industry connections for our career academy work outlined below.

At Kansas City Kansas Public Schools (KCKPS), we are already on the right path to transform our schools and community. Our district is ready for students to exit high school prepared for college and careers in a global society, and at every level. We are looking for student experiences, teacher professional development and to make this great industry connection!

Here are the Washington High School career academies and pathways:

### **· Business & Finance Academy**

- o Marketing Management
- o Business Finance

### **· Health Science, Public & Human Service Academy**

- o Animal Science & Industry

- o Teaching as a Profession

- **Information Technology, Advanced Manufacturing, Transportation & Logistics**

- o Manufacturing

- o Computer Programming & Software Development

Please contact Anita Metoyer if you have any questions or need further information on how to get involved: [anita.metoyer@kckps.org](mailto:anita.metoyer@kckps.org)

### **Science Olympiad Tournament**

Science Olympiad is a national organization which sponsors STEM competitions at the national, state and regional level. These competitions in northeast Kansas involve about 3000 students, mostly from the metro area (KS side—MO is a different region), and about 1000 of the best and brightest are involved in the regional tournament at Johnson County Community College on Saturday, February 24th.

We need volunteers to sponsor a Thermodynamics event by writing a short test and judging 52 student created insulating devices. For sponsors who come on February 24, we provide breakfast, lunch, drinks and snacks, acknowledgement in our promotions, and a ton of heartfelt thanks.

Our current volunteer event sponsors include Honeywell, MARC, Blackstone Environmental, TerraCon, BE Aerospace, Heart of America Free Flight, Kansas Geological Survey, KU Masters of Public Health, KU Herpetology, KU Evolutionary Biology, Benedictine Physics, University of Saint Mary Masters of Health Sciences, USM STEM Club, KU KanTeach, American Meteorological Society, American Women in Geoscience, JCCC Math Department, and KU Geography.

The tournament day is fun and exciting for students and sponsors. I have attached the manuals for the B division (middle school) and C division (high school.) The events are listed in alphabetical order.

Thank for your time and consideration. I hope all you members have a very happy holiday season and I hope be working with you.

For more information please contact Mary Brown at [mabrown889@gmail.com](mailto:mabrown889@gmail.com)

### **Calling all Volunteers:**

If you aren't busy Saturday, January 20th, 2018 please consider helping out at this year's Future City competition in Lawrence, KS on the KU campus. What is the Future City Competition you ask...and what do you want me to do???

“The Future City Competition is a national, project-based learning experience where students in 6th, 7th, and 8th grade imagine, design, and build cities of the future. Students work as a team with an educator and engineer mentor to plan cities using SimCity™ software; research and write solutions to an engineering problem; build tabletop scale models with recycled materials; and present their ideas

before

judges at Regional Competitions in January. Regional winners represent their region at the National Finals in Washington, DC in February.”

What’d we’d be asking from you is to help judge the student group presentations and their models. I know that sounds ominous but it’s really very easy. The judging involves no more than asking the teams a couple questions and scoring them, either on their presentation or their physical model. You’re on a panel of 3 (or more) so you’re not alone! Even better, chances are someone you work with has probably helped out in the past, and can tell you all about it! It’s only a few hours of your time and its lots of fun! Did I mention free hot breakfast and lunch?

Please use the link below to register as a Day of Competition Judge:

<https://secure.futurecity.org/Kansas/JudgeBin/Judge/Enroll>

Also, if you want to learn more, please visit our regional Future City website: <http://futurecity.org/greatplains>. There you will find detailed information about the competition, photos of past winners, information on how to get involved, informational videos, etc. It is a wonderful website that illustrates the competition activities from beginning to end. We appreciate all the help we can get, as volunteers make this competition a reality. For those that volunteer, an email will be sent out closer to the competition with more details. On average it takes 75-100 STEM background volunteers to put on the day of events – we always can use more volunteers!