

## WKU Ogden Outreach

### Events

To schedule one or more of the Ogden Departmental Outreach activities listed below, feel free to contact the Ogden Science Outreach Coordinator, John Inman at (270) 745-3048 or [john.inman@wku.edu](mailto:john.inman@wku.edu), or by clicking the Schedule Activity button. Scheduling or getting more information can also be done with the contact person listed with each activity.

**AGRICULTURE:** <http://www.wku.edu/agriculture/>

**\*FFA Field Day (Event)**

-Held in April at the L.D. Brown Exposition Center for High School Students. WKU Department of Agriculture constructs several contests on the farm and campus in which FFA students from Kentucky, southern IN, and northern TN counties will compete. Some contest examples are: livestock judging, welding, soil judging, etc. Please contact DeAnna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu). Website: [http://wku.edu/agriculture/field\\_day.php](http://wku.edu/agriculture/field_day.php)

**\*Early Admission Open House (Event)**

-Held in December at the L.D. Brown Exposition Center. High school seniors attend early admission program for students interested in Ag. Informational workshops are provided for students and parents. Financial aid, housing, etc. are discussed. Campus and Farm tours are also given to participants.

Please contact DeAnna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu).

**\*FFA Paperwork Day (Event)**

-Held in March at the L.D. Brown Exposition Center and Downing Student Union (DSU). High school juniors and seniors and high school Agriculture Teachers attend. Students are interviewed on campus for District FFA and State FFA officer positions. Regional FFA proficiencies and state degrees are judged and ranked. Please contact DeAnna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu).

**\*Barren River Fall Leadership CDE (Event)**

-Held in December at the L. D. Brown Exposition Center and Environmental Science and Technology Hall (EST). High school FFA students and Agriculture teachers attend the Barren River Regional Fall Leadership Career Development Events (CDE). Students compete in FFA contests which include welding, Ag. Sales, AIC, Junior Parliamentary Procedure, and Job Interview Contest. Please contact DeAnna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu).

**\*FFA Ag. Mech. Prep. (Event)**

-Held in October at the WKU Farm. High School Students attend to prepare for upcoming FFA contest under guidance of a WKU Instructor. Please contact DeAnna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu).

**\*State 4-H Livestock Skill-a-thon contest (Event)**

-Held in February at the L.D. Brown Exposition Center. Elementary through high school students. 4-H members participate in several livestock related identification contest. This is the state 4-H contest for these areas. Winner moves on to thenational contest. Please contact DeAnna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu).

**\*Block and Bridle Winter Classic (Event)**

-Held in February at the L. D. Brown Exposition Center. Middle and high school students attend. 4-H and FFA students show cattle in different classes. Please contact DeAnna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu).

**\*KY Junior Livestock Expo (Event)**

-Held in July at the L.D. Brown Exposition Center. Elementary through high school students attend. This is one of three events in the state hosted by the KY Department of Agriculture. Participants compete in livestock judging and showing contests. Please contact DeAnna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu).

**\*High School Rodeo (Event)**

-Held in October at the L.D. Brown Exposition Center. High School students compete. Participants need to be from KY, IN, and TN in order to compete in rodeo events. Winners advance to the national finals. Please contact DeAnna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu).

**\*District 5 4H Horse Show (Event)**

-Held in May at the L.D. Brown Exposition Center. Elementary through high school students attend. Participants show equine. Winners qualify for state finals. Please contact Deanna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu).

**\*District 6 4H horse Show (Event)**

-Held in June at the L.D. Brown Exposition Center. Elementary through high school students attend. Participants show equine. Winners qualify for state finals. Please contact DeAnna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu).

**\*Soil Science Training for Enviro-thon Competition (Event)**

-Held in February, March, and April at the University Farm. High School students will attend at each meeting. Participants are trained in basic physical soil properties. This information helps students prepare for regional contest. Please contact DeAnna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu).

**\*4H/FFA--Floral Design (Event)**

-Held Year-round at the Floral Design Center. Call to schedule. High School and Middle School students attend. Students participate in floral workshops. Please contact DeAnna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu), or Deborah Gabbard at (270) 745-3382 or [Deborah.gabbard@wku.edu](mailto:Deborah.gabbard@wku.edu).

**BIOLOGY:** <http://www.wku.edu/biology/>

**\*High School Career Fair (Event)**

- Held year round at area high schools. Contact Cassandra Cantrell for more information at (270) 745-2638 or [Cassandra.cantrell@wku.edu](mailto:Cassandra.cantrell@wku.edu).

**COMPUTER SCIENCE:** <http://www.wku.edu/cs/>

**\*Programming Competition (Event)**

-Held in the Spring Semester for Kentucky high school teams of up to three students. Each member of the winning teams receive a \$1,000 scholarship to WKU. Contact the Computer Science Department for more information at (270) 745-4642 or [cs@wku.edu](mailto:cs@wku.edu). Department link: <https://www.wku.edu/cs/index.php>

**ENGINEERING:** <http://www.wku.edu/engineering/>

**\*High School Robotics competition (Events)**

-Kentucky Bluegrass High School Robotics Competition is announced in early September and is held on a Saturday in early November at WKU. This event provides high school students with a challenging engineering design experience. Teams build a robot using materials provided by the WKU Engineering Department and compete against each other in the High Bay area of the Engineering and Biological Sciences (EBS) building on WKU's Campus. For more information, contact Dr. Kevin Schmaltz at [kevin.schmaltz@wku.edu](mailto:kevin.schmaltz@wku.edu).

**\*Middle School LEGO Robotics competition (Events)**

-Kentucky Bluegrass LEGO Robotics Competition will be held on a Saturday in late February at (Location to be determined). This event provides elementary and middle school students with a challenging engineering experience. Teams build an autonomous robot from LEGO Mindstorm kits to accomplish various themed tasks. For more information, contact Dr. Kevin Schmaltz at [kevin.schmaltz@wku.edu](mailto:kevin.schmaltz@wku.edu).

**\*MATHCOUNTS competition (Events)**

-From <http://www.mathcounts.org/about/mathcounts-overview>

“MATHCOUNTS strives to engage middle school students of all ability and interest levels in fun, challenging math programs, in order to expand their academic and professional opportunities.” Event is held in mid-February and sponsored by the Kentucky Society of Professional Engineers. For more information, contact the WKU Department of Engineering at (270) 745-2461 or [engineering@wku.edu](mailto:engineering@wku.edu).

**GEOGRAPHY AND GEOLOGY:** <http://www.wku.edu/geoweb/>

**\*Kentucky Geography Bee (Event)**

-Students in grades four through eight may participate. The 2016 Kentucky Geography Bee will be on Friday, March 31, 2017 at the Knicely Conference Center in Bowling Green, KY. Schools can register for the next competition starting on August 3, 2016. Early bird registration starts at \$100 per school. For more information about the Kentucky GeoBee go to <https://sites.google.com/site/kentuckystatebee/>. You may also contact the state coordinator for the Kentucky Bee, Amy Nemon at (270) 745-3082 or [amy.nemon@wku.edu](mailto:amy.nemon@wku.edu).

**PHYSICS & ASTRONOMY:** <http://www.wku.edu/physics/>

**\*Monthly Public Telescope Viewing (Events)**

-The observatory is located on the roof of the Thompson Complex Center Wing (TCCW). Shortly after sunset on the second Wednesday of every month (except June and July), astronomers from WKU's Physics and Astronomy Department offer the public an opportunity to observe the heavens through the telescopes on the TCCW roof. There is no charge for admission. Meet in the lobby of TCCW next door to the Hardin Planetarium. A brief indoor program will be presented if weather conditions do not permit observing. Children 12 years of age and under must be accompanied by an adult. Contact Dr. David Laney in the Physics and Astronomy Department for more information at [david.laney@wku.edu](mailto:david.laney@wku.edu) or (270) 745-5484.

**\*Physics Olympics (Events)**

- The WKU Department of Physics & Astronomy celebrates the spirit of Exploration by inviting high schools to send teams of four to compete in the annual Western Kentucky Physics Olympics. This half-day competition consists of a pentathlon of challenging problem-solving activities that reward teamwork, communication and creativity. More information and online registration forms are located at this link: <http://physics.wku.edu/olympics/> For further information, email Dr. Richard Gelderman at [Richard.gelderman@wku.edu](mailto:Richard.gelderman@wku.edu) or (270) 745-6203.

## **SKyTEACH:**

### **\*Barren River Area Home School Co-op Science Fair (Events)**

-Elementary, middle, and high school home co-op students participate annually.

For more information, contact Melissa Rudloff at [melissa.rudloff@wku.edu](mailto:melissa.rudloff@wku.edu).

### **\*Area School College Fairs (Events)**

-SKyTeach representatives attend college fairs at area high schools annually.

For more information, contact David Bell at [david.bell1@wku.edu](mailto:david.bell1@wku.edu).

### **\*WKU Take Your Daughters and Sons to Work Day (Event)**

-Elementary and middle school girls and boys go to work with their WKU employed parent. The children explore SKyTeach opportunities by presenting 5E lessons.

For more information, contact Janice Davenport at [janice.davenport@wku.edu](mailto:janice.davenport@wku.edu).

### **\*STEMshot! Rocketry Competition (Events)**

-Middle School teams from area schools compete in the rocket competition held at the Center for Research and Development (CRD) also known as the old mall on Nashville Road and the Aviation Heritage Park on Three Springs Road.

For more information, contact Rico Tyler at (270) 745-3900 or [rico.tyler@wku.edu](mailto:rico.tyler@wku.edu).

### **\*GRREC-SKyTeach-WKU Regional Bridge Building Competition (Events)**

-Middle School teams from area schools construct bridges and subject them to various tests. Event held at the Center for Research and Development (CRD).

For more information, contact Rico Tyler at (270) 745-3900 or [rico.tyler@wku.edu](mailto:rico.tyler@wku.edu).

### **\*Area Science Fairs (Events)**

-SKyTeach instructors and students participate in area elementary, middle, and high school science fairs as judges and volunteers. For more information, contact the SKyTeach office at (270) 745-3900 or [skyteach@wku.edu](mailto:skyteach@wku.edu).

### **Ogden Multi-Disciplinary Events:**

#### **\*Girls in Science Day (Events)**

-Girls in grades 5 through 12 will have the opportunity to explore various topics in science, technology, engineering, and math (STEM) during exciting interactive sessions. Attendees will meet women employed in STEM careers. There will be separate sessions for grades 5-8 and 9-12. This is an excellent field trip opportunity. This year's event will be a Saturday in early September. Lunch is provided. Cost is \$10 per girl and space is limited. Event will run 9:00am to 1:00pm. For more information, contact Melissa Rudloff at (270) 745-3900 or [melissa.rudloff@wku.edu](mailto:melissa.rudloff@wku.edu), or Karen Long in the SKyTeach office at (270) 745-3900 or [karen.long@wku.edu](mailto:karen.long@wku.edu). Or visit: [www.wku.edu/ogden](http://www.wku.edu/ogden).

#### **\*FIRST LEGO League (FLL) (Events)**

-WKU FLL Qualifying Tournament – Mindstorm robotics competition for students age 9-14. Competition involves robotics programming to complete various missions; design and technical judging; research project and presentation judging; and teamwork judging. This season's challenge is called the 2016 FLL Animal Allies Challenge. The Challenge will be released and announced in August 2016. For more information, contact John Inman, WKU FLL Qualifying Tournament Director and WKU Science Outreach Coordinator, at (270) 745-3048 or [john.inman@wku.edu](mailto:john.inman@wku.edu). National FIRST LEGO League (FLL) website link and registration site: <http://www.firstlegoleague.org/2016-animal-allies-challenge>

#### **\*Kentucky Science Olympiad (Events)**

-Science Olympiad is an event which is dedicated to improving K-12 science education, and student interest in science. The event is divided into two divisions: Division B (grades 6-9) and Division C (grades 9-12). For more information about starting a school team visit the Kentucky Science Olympiad website at <http://www.wku.edu/scienceolympiad/> or the National Science Olympiad website at [www.soinc.org](http://www.soinc.org). Kentucky contacts are Dr. Lowell Shank at [Lowell.shank@wku.edu](mailto:Lowell.shank@wku.edu) or John Inman at (270) 745-3048 or [john.inman@wku.edu](mailto:john.inman@wku.edu).