

## WKU Ogden Outreach

### Field Trips/Tours

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/>

**\*Group Farm Tours (Field Trip)**

-Held year-round at the University Farm. Call to schedule. Students of all ages and grade levels are welcome. Agriculture ambassadors give farm tours to groups from elementary classes to high school FFA Chapters.

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

**\*Individual Farm Tours (Field Trip)**

-Held year-round at the University Farm. Call to schedule. High School Juniors and Seniors attend. Agriculture Ambassadors give farm tours to students and their parents. These students are considering enrolling at WKU and majoring in the field of Agriculture.

Please contact DeAnna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu). WKU Farm link: <http://www.wku.edu/farm/>

**\*Potential Student Tours (Field Trip/Tour)**

-Held Year-round at the Baker Arboretum. Call to schedule. Open to potential WKU Agriculture students interested in Horticulture. Students are given a tour of the Baker Arboretum.

Please contact DeAnna Durrant at (270) 745-3151 or [deanna.durrant@wku.edu](mailto:deanna.durrant@wku.edu). Baker Arboretum link: <http://www.wku.edu/bakerarboretum/visit.php>

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

**\*School group tours/field trips (Field Trip/Tours)**

-Held year round at various locations.

Please contact Cassandra Cantrell for more information at (270) 745-4187 or [Cassandra.cantrell@wku.edu](mailto:Cassandra.cantrell@wku.edu).

**\*Admissions Recruitments (Field Trip)**

-Held year round typically at Thompson Complex Center Wing (TCCW), Engineering and Biological Sciences Building (EBS), and Snell Hall (SH).

Contact Cassandra Cantrell for more information at (270) 745-4187 or [Cassandra.cantrell@wku.edu](mailto:Cassandra.cantrell@wku.edu).

**\*Green River Biological Preserve tours (Field Trip/Tour)**

-Contact Dr. Albert Meier for more information at (270) 791-9442 or [albert.meier@wku.edu](mailto:albert.meier@wku.edu). Link for WKU Green River Preserve is: <http://www.wku.edu/greenriver/>

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

**\*Geocache field trips (Field Trip)**

-Contact Kevin Cary at (270) 745-2981 or [kevin.cary@wku.edu](mailto:kevin.cary@wku.edu) or Scott Dobler at (270) 745-7078 or [scott.dobler@wku.edu](mailto:scott.dobler@wku.edu) for more information about scheduling a Geocache field trip to WKU.

**\*Geographic Information Systems (GIS) field trips (Field Trip)**

-Contact Kevin Cary at (270) 745-2981 or [kevin.cary@wku.edu](mailto:kevin.cary@wku.edu) or Dr. Jun Yan at (270) 745-8952 or [jun.yan@wku.edu](mailto:jun.yan@wku.edu) for more information about scheduling a GIS field trip to WKU.

**\*GIS Club Outreach (Field Trip)**

- Contact Kevin Cary at (270) 745-2981 or [kevin.cary@wku.edu](mailto:kevin.cary@wku.edu) or Dr. Jun Yan at (270) 745-8952 or [jun.yan@wku.edu](mailto:jun.yan@wku.edu) for more information about scheduling a GIS field trip to WKU.

**\*WKU StormToppers Network Outreach (Field Trip/Tour)**

- For more information and to schedule tour/field trip, contact Dr. Josh Durkee at (270) 745-8777 or [Joshua.durkee@wku.edu](mailto:Joshua.durkee@wku.edu).

**\*College Heights Atmospheric Observatory for Students (CHAOS)—(Field Trips)**

-For more information and to schedule tour/field trip, contact Dr. Josh Durkee at (270) 745-8777 or [Joshua.durkee@wku.edu](mailto:Joshua.durkee@wku.edu).

**\*Kentucky Mesonet—(Field Trip or School Visit)**

-The Kentucky Mesonet is a research-grade environmental monitoring network that offers reliable weather and climate data to serve diverse needs in communities across the Commonwealth of Kentucky. Data from the Kentucky Mesonet is available in every K-12 Classroom throughout the Commonwealth to support science and math education. For

more information or to schedule a site visit or tour, contact Megan Schargorodski, operations manager for the Kentucky Mesonet, at (270) 745-4567 or [megan.ferris@wku.edu](mailto:megan.ferris@wku.edu). For more information about lesson plans, contact Scott Dobler, project manager and education outreach contact, at (270) 745-7078 or [scott.dobler@wku.edu](mailto:scott.dobler@wku.edu). Mesonet links: [www.kymesonet.org](http://www.kymesonet.org) or <https://www.wku.edu/kymesonet/aboutkymesonet.php>.

**\*Kentucky Geographic Alliance (KGA)--Host school groups--geography, weather, GIS (Field Trips or School Visits)**

-The Kentucky Geographic Alliance (KGA), under the umbrella of the National Geographic Society, was established in 1987 as a partnership of K-12 teachers and academic geographers dedicated to improving the geographic literacy of Kentucky school children. The KGA distributes supplies to teachers and offers workshops, which highlight important aspects of geography in the curriculum. Examples of hosted events include: GIS teacher training, online GIS teacher training, AP Human Geography teacher workshops, and pre-service teacher workshops.

In addition, the KGA coordinates the lending of the Kentucky Giant State Travelling Map, issues Kentucky in the News to all registered teachers in the state monthly, provides Geography Awareness Week activities for teachers, offers aid for the National Geography Bee, and distributes National Geographic Society maps to K-12 teachers.

**\*\*\*\*We are interested in hosting student groups that are touring the campus for geography, weather, and GIS activities.\*\*\*\***

For more information or to schedule a tour/field trip contact Jill Brown, KGA Co-director, at (270) 745-7078 or [jill.brown@wku.edu](mailto:jill.brown@wku.edu). KGA link: <http://www.kga.org/index>. You can also follow us on social media through Facebook and Twitter.

**MATHEMATICS:** <http://www.wku.edu/math/>

**\*Middle and High School Math Talks (School Visits or Field Trips)**

-The WKU Department of Mathematics offers a number of talks on math topics that would be suitable for middle school and high school students. The talks can be offered on campus during a visit, or possibly the speaker can visit your school.

- The Math of Projective Motion –a nerf dart gun rig, dubbed by the speaker as “the Mathinator” (Algebra II background, trig would be nice, but not necessary).
- Seeing Sounds –a guitar and some Fourier transform tricks

- Beautiful Mathematics – a graphical description of Newton’s method, leading to the generation of some really cool fractals (Algebra II background).
- A Tutorial on Chaos and Fractals – an introduction to a mathematical definition of “dimension”, and geometric structures that have non-integer dimensions. The relationship between chaos, fractals, and randomness is explored with images.
- The Birthday Bet – an explanation of the birthday paradox, with the possibility of the speaker wearing a very silly wig.
- An Impossible Problem – an example of how simple assumptions and diligence can help solve a seemingly unsolvable problem due to a lack of needed information (Calculus background).

For more information or to schedule a Math Talk, contact Dr. Bruce Kessler at (270) 792-9790 or [bruce.kessler@wku.edu](mailto:bruce.kessler@wku.edu) .

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

**\*Hardin Planetarium (Field Trip)**

-Elementary and Middle School Group Field Trips. Planetarium shows are no charge for school groups.

Contact Ronn Kistler for more information at [ronn.kistler@wku.edu](mailto:ronn.kistler@wku.edu) or (270) 745-4044.

Link: [http://www.wku.edu/hardinplanetarium/school\\_field\\_trips.php](http://www.wku.edu/hardinplanetarium/school_field_trips.php)

**SCHOOL OF ENGINEERING AND APPLIED SCIENCES**

(SEAS): <https://www.wku.edu/seas/>

**\*School Group tours of the Manufacturing Robotics Lab (Field Trip/Tour)**

-Student groups may schedule field trips to tour, see a demonstration, and a question and answer session with a professor in Manufacturing Robotics. Robotics lab is located on the WKU Campus in the Environmental Sciences and Technology building (EST).

For more information or to schedule a field trip, contact Amber Boards at (270) 745-4642 or [amber.boards@wku.edu](mailto:amber.boards@wku.edu).

**\*Egg Drop Activity (Field Trips)**

- "Egg Drop" field trips are held year round in the High Bay area of the WKU Engineering and Biological Sciences (EBS) building. A variety of impromptu design experiences and demonstrations of WKU Engineering projects can be provided to groups of 10-30 students from local elementary and middle schools.

Contact Dr. Kevin Schmaltz for more information at [kevin.schmaltz@wku.edu](mailto:kevin.schmaltz@wku.edu) or (270) 745-8859.

**\*School Group Tours - Robotics, Engineering (Civil, Mechanical, Electrical), Architecture, Manufacturing, or Computer Science (Field Trips/Tours)**

-Contact the WKU School of Engineering and Applied Sciences for more information or to schedule your group's tour. Your tour may focus on one of the engineering areas - Civil, Electrical, or Mechanical; Architecture, Manufacturing; or Computer Science. Groups may also choose to focus their tour on robotics. Specify your preference when scheduling the tour.

For more information contact Amber Boards at (270) 745-4642 or [amber.boards@wku.edu](mailto:amber.boards@wku.edu).

**SKyTeach:** <http://www.wku.edu/skyteach/>

**\*SKyTeach students present science lessons to area school groups (School Visits or Field Trip/Tours)**

-Elementary and middle school groups visit campus and SKyTeach students present science lessons in a 5E format.

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