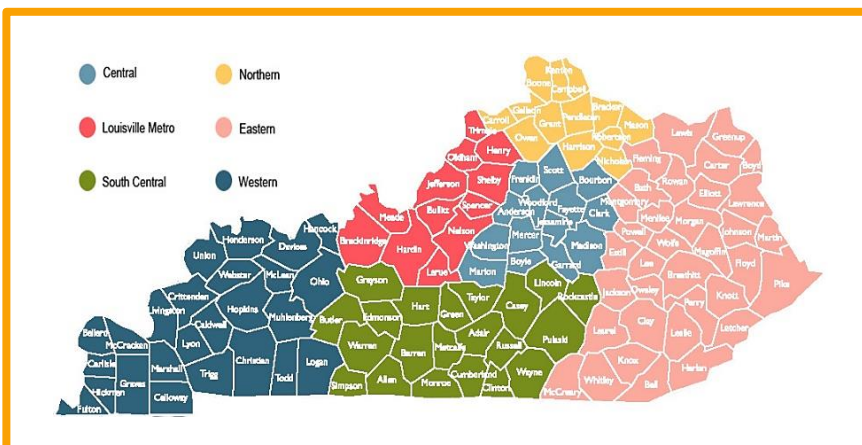




Kentucky Girls STEM Collaborative Project

SUMMER STEM GUIDE



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All of the camps listed are open to girls, some are for girls only and some are co-ed.

Environmental Science and Biotechnology Camp

(**Wilmore**, June 12-16, grades 9-12)

Join Asbury professors for five days of hands-on learning, using many of the latest techniques employed in ecology, biotechnology, and conservation biology today.

Explorium Summer Camps

(**Lexington**, May-August, ages 3-11)

The Explorium of Lexington creates a fun and dynamic hands-on learning environment that inspires imagination and curiosity. The 2017 summer camp season will be a series of 12 camps in 12 weeks, with a different STEAM-based theme each week.

Health Research Youth Academy

(**Lexington**, June 11-30, grade 11)

A two-week residential health career camp open to rising high school seniors (current juniors) hosted by the University of Kentucky Area Health Education Center. **Registration CLOSED**

KSU 4-H AgDiscovery

(**Frankfort**, June 11-24, ages 14-17)

A two-week, residential program targeting diverse students from limited-resource communities interested in careers in animal science and veterinary medicine. **Registration CLOSED.**

KSU Pathways and Access to Careers in Environmental Science

(**Frankfort**, June 11-17, grades 6-8)

A residential program that incorporates fun along with environmental science, math, and technology, so that activities are educational and entertaining. **Registration CLOSED.**

KSU Summer Apprenticeship Program

(**Frankfort**, June 4-24, entering grades 11-12)

A three-week residential program at KSU designed to prepare students for college life while exposing them to different career opportunities in STEM fields. **Registration CLOSED.**

KSU Summer Transportation Institute

(**Frankfort**, July 9-29, grades 9-10)

A three-week residential program at KSU that allows students to explore today's top transportation industries. STI is designed to increase awareness of transportation (land, water, air) career opportunities. **Registration CLOSED.**

[Living Arts & Science Center](#)

(Lexington, May-August, grades PreK-12)

Choose from classes designed to spark every imagination, like robot building and 3D printing. Scholarships are available for financial need. Registration now open.

[Madison Central High School Sci Oly STEM Summer Camp](#)

(Richmond, June 5-9, grades 2-5)

Campers will spend the week designing, building, and finally launching their own rocket, explore various aspects of living science in biology labs, observe the world on the molecular level in chemistry labs, and investigate the use of science to solve crimes in forensic science sessions.

[Midway Camps](#)

(Midway, June – see below, ages 7-13)

Midway University hosts multiple week-long academic day-camps. This year's program features Science Camp, Girl Power Camp, Art Camp and Minecraft Camp.

Girl Power
(June 12-16, ages 7-13)

Science Camp
(June 26-30, ages 7-13)

Minecraft Camp
(June 19-12, ages 7-13)

[Newton's Attic Summer Camp](#)

(Lexington, May-August, grades 1-9)

Newton's Attic offers multiple week-long sessions for every age group both morning and afternoon all 12 weeks of the summer, May 22nd through August 11th. Newton's Attic offers multiple 'Girls Only' camps. Registration now open.

[Pre-College Academic Experience in Math and Science \(PAEMS\)](#)

(Georgetown, June 18-30, grades 9-12)

A two-week residential program at Georgetown College that provides academically-motivated students with unique educational opportunities in science and math.

[School's Out Science Camp](#)

(Lexington, June 12-16 & July 17-21, grades K-5)

Want a fun, hands-on experience for your kids? School's Out Science Camps offer exciting educational experiences for little scientists! Join us for unique topics, based on age, designed to inform, engage and entertain!

[See Blue Robotics Camp](#)

(Lexington, May 30-June 2, grades 5-8)

The LEGO Robotics Camp will extend the curriculum of the See Blue STEM Camp to provide enhanced instruction in building and programming robots. Students will use sensors and coding to complete challenges and compete against their peers. Students should have a basic understanding of LEGO or VEX robots to enroll.

[See Blue STEM Camp](#)

(Lexington, June 5-9 and 12-16, grades 5-8)

Pick from two week-long camps at the University of Kentucky designed to help students explore and integrate the STEM disciplines through authentic hands-on projects and real world applications. Registration now open.

[Spencerian College Med Camp](#)

(Lexington, June 11-16, grades 9-12)

An opportunity to try out many of today's most popular careers in healthcare. All Med Camp participants will also earn a variety of certifications, including First Aid, CPR, and Airborne and Blood-Borne Pathogen certifications, enhancing their medical skillset and putting them on the fast track to a successful career.

[Summer Enrichment Camp](#)

(Lexington, June 11-30, grade 10)

A two-week residential camp for rising high school juniors (current sophomores) interested in health careers hosted by the University of Kentucky Area Health Education Center. **Registration CLOSED.**

[Transylvania University Summer Camps](#)

(Lexington, June – *see below*, grades 6-12)

Transylvanian University offers multiple week-long residential and day camps, for students interested in computer science, engineering and robotics.

Introduction to Java Programming Camp

(June 18 – 23, grades 8-12)

Robotics Day Camp

(June 26-30, grades 6-8)

Advanced Computer Camp – Pi Development

(June 11-16, grades 10-12)

Academic Prep Camp

(June 18 – 23, grades 9-12)

[Week of Code Summer Camp](#)

(Lexington, June-August, grades ages 11-16)

Offered four times this summer, Week of Code Camp introduces the fundamentals of coding. Students will create websites, hardware projects, and video games all while having fun with Awesome Inc. U's energetic team.

UK Women in Engineering Summer Workshop Series

(Lexington, June - *see below*, grades 10-12)

Female students considering engineering as a possible major and career will explore the world of engineering with UK faculty members and students through hands-on experiments in a collegiate environment. A limited number of need-based scholarships available.

Biomedical Engineering Workshop
(June 12 & 16)

Computer Science Workshop
(June 19 & 21)

Biosystems Engineering Workshop
(June 13 & 22)

Mechanical Engineering Workshop
(June 5 & 6)

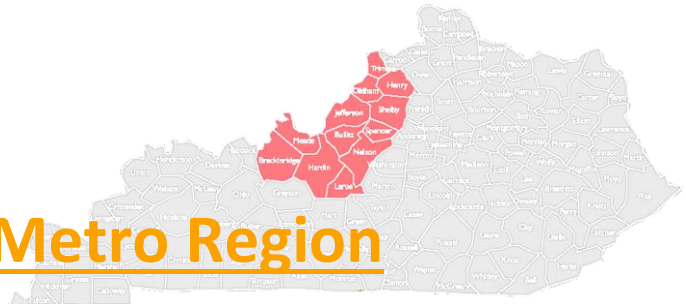
Civil Engineering Workshop
(June 8 & 14)

Mining Engineering Workshop
(June 7 & 15)

Electrical & Computer Engineering Workshop
(June 9 & 16)

Chemical & Materials Engineering Workshop
(June 9 & 20)

Louisville Metro Region



Aviation Camp

(Louisville, July 20-21, ages 10-16)

Learn the history of aviation, investigate the principles of flight, examine aircraft and engine design, study the technology of flight, and practice on a flight simulator at Bowman Field.

Bellarmino University

(Louisville, June & July – *see below*, ages 10-15)

Summer 2017 Youth Camps on the campus of Bellarmine University offer various week-long camps in a variety of STEM interests including Programming, Algebra and Geometry.

A2 - Awesome Algebra
(July 10 – 14, ages 12-14)

G3 – Great Gains in Geometry
(July 10-14, ages 12-14)

Building Imaginary Worlds in 3D
(June 26-30, ages 10-14)

Learn Real-World Coding with Let's Start Coding Kits
(June 19-23, ages 10-15)

CSI: Bigfoot!
(June 12-16, ages 10-15)

Web Monkeys
(July 10-14, ages 10-14)

[Camp Cardiac](#)

(Louisville, July 17-21, ages 15+)

University of Louisville School of Medicine's 1-week summer camp offers a variety of workshops, lectures and panels as means to explore the different educational and careers fields in healthcare. **Registration CLOSED.**

[Camp Invention](#)

(Louisville, Anchorage, Goshen, Radcliff, & Elizabethtown, June-July, grades K-6)

Led by experienced educators and inspired by Inductees of the National Inventors Hall of Fame, multiple weekday camps will be filled with hand-on STEM activities.

[Camp Neuro](#)

(Louisville, July 18-22, ages 15+)

This weeklong camp at the UofL School of Medicine offers education and real world experience. Camp Neuro provides students with a unique opportunity to learn directly from experts in the medical and psychological fields.

[Club SciKidz](#)

(Louisville & Pewee Valley, June-July, grades PreK-8)

Offering 24 different camp themes between two Louisville locations, campers will engage in hands-on National Science Standard activities that make science challenging and fun.

[iD Tech Camps - UofL – Shelby Campus](#)

(Louisville, June-July, ages 7-17)

Choose from multiple week-long tech camps that focus on cyber security, coding, design, and 3-D printing.

[Journey to Space - Challenger Learning Center Louisville](#)

(Louisville, June 26 –July 31, ages 6-9)

Boldly go where no camper has gone before! Follow the footsteps of scientists who expanded our understanding of the solar system. Work as a team and participate in STEM activities and experiments.

[KCD Summer Stretch](#)

(Louisville, June-August, grades PreK–12)

Kentucky Country Day School's Summer Stretch program includes *dozens* of summer courses covering academics, enrichment, sports, and the arts. Registration now open.

School's Out Science Camps

(Kentucky Science Center, May – August, grades Pre-K -10)

(Maryville Elementary, June 19-23, grades K-5)

The KY Science Center sponsored School's Out Summer Science Camps offer 42 different educational experiences for junior scientists! Each camp is dedicated to a topic designed to inform, engage and entertain.

Space Adventure Camp

(Louisville, June 26-30 and July 31-August 4, grades 2-4)

Campers plunge into astronaut training activities, create comets, launch rockets, build telescopes and much more in this engaging, hands-on camp at Gheens Science Hall and Rauch Planetarium. Registration opens in March.

Space Engineering Camp

(Louisville, July 12-16 and July 17-21 for grades 5-6, July 19-23 for grades 7-9)

Curiosity and a love of space propel campers through this week-long space camp at the Gheens Science Hall and Rauch Planetarium. Registration opens in March

Spencerian College Med Camp

(Louisville, June 11-16, grades 9-12)

An opportunity to try out many of today's most popular careers in healthcare. All Med Camp participants will also earn a variety of certifications, including First Aid, CPR, and Airborne and Blood-Borne Pathogen certifications, enhancing their medical skillset and putting them on the fast track to a successful career.

Sullivan Pharmacy Camp

(Louisville, July 23-28, grades 10-12)

High school students graduating in 2017, 2018 and 2019 can explore the world of pharmacy as a potential career path at Sullivan University College of Pharmacy's Pharmacy Camp.

Summer Kid's College at ECTCS

(Elizabethtown, June-July – see below)

3D Printing

(June 26-30)

Beginning Robotics

(June 12-16 & July 19-23, grades 1-4 & 5-8)

Forensic Science

(June 19-23 & July 1-14)

Plastics

(July 17-21)

[STEAMPunks Summer Camp](#)

(Louisville, June-August – various, grades K-6)

Maker projects on circuitry, video game design, stop motion animation, robotics, film, coding, and more. Click on the registration link for a full description of each camp.

[STEM Camps at Sacret Heart Academy](#)

(Louisville, June 5-9, grades 6-8)

Led by SHA's STEM Coordinators and talented high school students, female students can attend morning sessions (Emerging Technology and Engineering), afternoon sessions (Multimedia and Graphic Design), or both, depending on their interests.

[The Parklands Summer Camp](#)

(Louisville, June-August, ages 5-12)

Using the Parklands Outdoor STEM Classroom, campers will dig into the areas of biology, gardening, insects, art and beginner paddling at one of 8 camps offered per age group

[The Studio](#)

(Louisville, June 11-16, grades 9-12)

Week-long camp for high school students at Sullivan College of Technology and Design, where techies and creatives come together to push the boundaries of innovation and bring ideas to life using the latest technology.

[UofL Speed School of Engineering Summer Camps](#)

(Louisville, June & July-*see below*, grades 3-12)

App Development

(June 5-9, grades 3-5)

Coding and Programming-Middle School

(June 5-9, grades 6-8)

Coding and Programming-Middle School

(July 10-14, grades 6-8)

LEGO EV-3 Robotics-Middle School

(June 17-21, grades 6-8)

Brown-Forman INSPIRE summer enrichment program

(June 19-29, grades 9-12)

LEGO EV-3 Robotics Elementary

(June 26-30, grades 3-5)

Drone-Middle School

(June 19-22, grades 6-8)

App Development

(June 24-28, grades 6-8)

Drone-High School

(June 12-15, grades 9-12)

Coding and Programming-High School

(July 24-28, grades 9-12)

South-Central Region



Aviation Camp

(Bowling Green June 6-7, Hazard July 25-26, & Pikeville July 11-12, ages 10-16)

Learn the history of aviation, investigate the principles of flight, examine aircraft and engine design, study the technology of flight, practice on a flight simulator at one of multiple 2-day camps at 5 locations: Lexington, Louisville, Bowling Green, Hazard, and Pikeville!

Camp Explore

(Bowling Green, June 5-9, grades 1-3)

A week-long day camp at Western Kentucky University features hands-on and minds-on instruction. Students will explore a wide range of subjects from math and science to art and theater during their day.

Camp Innovate

(Bowling Green, July 10-14, grades 4-5)

A week-long day camp at WKU features hands-on and minds-on instruction. Students will explore a wide range of subjects from math and science to art and theater during their day.

Camp Invention

(Edmonton, Hodgenville, Leitchfield, June-July, grades K-6)

Led by experienced educators and inspired by Inductees of the National Inventors Hall of Fame, multiple weekday camps will be filled with hand-on STEM activities.

Kids College

(Campbellsville, June 5-8 and July 17-20 grades 3-8)

Kids College topics include Cool Scientist, Cooking Up a Storm, Sharp Shooting Archery, Amazing Art, Microsoft Office Fun and Computer Programming for kids.

SCATS

(Bowling Green, June 11-23, grades 6-8)

2-week summer camp hosted by WKU for the Academically Talented Middle School students offering nearly 30 courses to choose from.

School's Out Science Camp

(Bowling Green, June 19-23, grades 4-6 & July 17-21, grades K-5)

Want a fun, hands-on experience for your kids? School's Out Science Camps offer exciting educational experiences for little scientists! Join us for unique topics, based on age, designed to inform, engage and entertain!

Sci Camps at Hardin Planetarium

(Bowling Green, June 26-30, grades 3-6)

The August 2017 Total Solar Eclipse will be the theme for our activities at 2017 Sci Camp. Participants will engage in fun, interactive investigations to stimulate curiosity, and encourage cooperative discovery and problem solving.

VAMPS

(Bowling Green, June 25-July 15, grades 7-10)

A 3-week residential camp in a rigorous educational environment hosted by WKU. Please visit the website for registration and camp details.

Warren County Public Libraries STEM Camps & Workshops

(Bowling Green, June-July, ages 7-16)

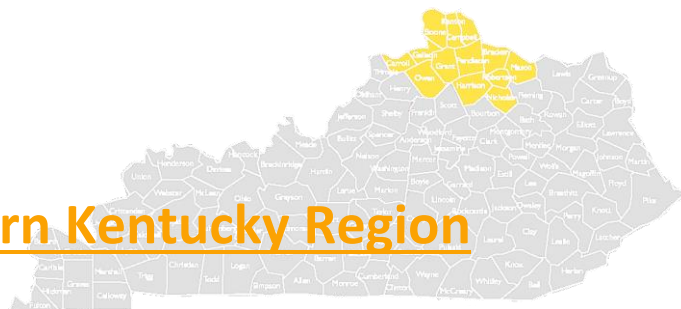
STEM Camp

(Main Branch, July 10-14, ages 7-16)

Advanced STEM Camp

(Kirby Branch, June 12-16, ages 7-16)

Northern Kentucky Region



Archaeology Camp: Digging Into The Past

(Covington, June 13-16, ages 11-15)

Explore an old home site in Devou Park and learn about the people who once lived there. Examine animal skeletons to discover who ate what. Use GPS and other mapping apps to find your way around. Wash and sort artifacts and create an archaeological exhibit.

Camp Invention

(Florence & Covington, June-July, grades K-6)

Led by experienced educators and inspired by Inductees of the National Inventors Hall of Fame, multiple weekday camps will be filled with hand-on STEM activities.

CINSAM Summer Camp

(Highland Heights, June & July, grades 3-12)

CINSAM summer camps are hosted by Northern Kentucky University faculty and staff on topics in science, technology, engineering, and mathematics. This year camps will explore astronomy, engineering, robotics and more.

Camp WAVE

(Newport, June-July, grades K-8)

Choose from 7 week long day camps at the Newport Aquarium. Visit their [website](#) for details.

Camp WAVE Career Camp

(Newport, June 19-23 or July 24-28, grades 6-12)

Career Camp highlights many sides of working in an aquarium from prepping food and feeding animals to seeing scientific research at the Thomas Moore Field Station and maintaining water quality.

Classroom Attic Tech Camp

(Florence, July 3-7, ages 7-14)

Summer Tech Camps will be offered in video game design, LEGO® robotics, Minecraft, stop-motion animation, and Scratch computer programming.

TSI Summer STEM Institute

(California, July 9-14, entering grades 10-12)

A unique opportunity for students to interact with college students and professors, while spending the week learning STEM and conducting research at Thomas More Field Station. **Registration CLOSED.**

Dream Discovery Camps

(Inez, June-July, grades 2-12)

Cracking the Code: App Development

(June 6-10, grades 6-12)

Rockets to the Rescue

(June 20-24, grades 4-9)

Lego Wedo2

(July 18-22, gages 7-10)

The Sky is the Limit

(June 13-17, grades 4-9)

Viral Videos

(July 6-8, grades 9-12)

Robo FUNDamentals

(July 18-22, gages 10-14)

Go for Launch! Summer Camp

(Morehead, July 24-28, grades 8-10)

Student will work together in teams on collaborative activities over the four days to define and design their own exomedicine experiment and present their ideas to a panel of judges from the Space and STEM fields. The judges will choose a winner from each Go For Launch! event and the winning experiment will be launched into space!

SpaceTrek

(Morehead, July 8-15, grades 10-12)

A space science camp for girls offered at MSU's state-of-the-art Space Science Center housing a Satellite Development Laboratory, Space Tracking Antennas, Electronic Laboratories and a digital Star Theater for planetarium and LASER shows. **Registration CLOSED.**

STEM Camps

(Manchester, June-July, grades 4-10)

EKU Manchester will be hosting three STEM camps beginning this summer.

Computer Programming Through Game Development

(June 20-23, grades 5-10)

CSI: Crime Scene Investigators!

(July 11-14, grades 6-9) **Registration CLOSED**

Gold Panning, Volcano Building and Discovering Kentucky's Fossils.

(July 18-21, grades 4-6)

The Sky's the Limit

(Ashland, June 19-23, ages 6-11)

Learn about space, the stars, planes and spaceships through arts and craft projects at the Paramount Arts Center. For registration information call 606-324-0007 ext. 311.



[Aviation Camp Challenger Learning Center at Paducah](#) (Paducah, July 17–19, ages 13 -16)

Learn the basics of flight and apply them in different hands-on activities. After learning the basics, take a flight in a real airplane. While in the air, become an actual pilot by taking the yoke and flying the plane.

[Camp Invention](#)

(Owensboro & Paducah, June-July, grades K-6)

Led by experienced educators and inspired by Inductees of the National Inventors Hall of Fame, multiple weekday camps will be filled with hand-on STEM activities offered across KY, TN, IN.

[Christian County Public Schools FREE STEM Camps](#)

(Hopkinsville, June 19-22, grades 3-8)

Digital Gaming 101

(9:00 am - noon, grades 3-5)

Solar Cars

(1:00 pm – 4:00 p.m., grades 3-5)

Minecraft

(9:00 am - noon, grades 6-8)

Drones and Rockets

(1:00 pm – 4:00 p.m., grades 6-8)

[Murray State Computer Science Summer Camp](#)

(Murray, June 5 to 8, grades 5-9)

Murray State University's Department of Computer Science and Information Systems will help students learn common programming concepts by creating simple games, building and programming robots to solve problems, and building a web page that can be seen on the internet.

[Murray State Robotics and Minecraft Camps](#)

(Murray, June 5-9 & June 26-30, grades 2-9)

Murray State University's College of Education and Human Services has been offering week-long robotics day camps since 1998! Campers may select from sessions featuring LEGO® WeDo, LEGO® WeDo 2.0, LEGO® MINDSTORMS® NXT, and LEGO® MINDSTORMS® EV3 robots.

School's Out Science Camp

(Owensboro, June 26-30 & July 10-14, grades K-5)

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Space Quest 2017

(Paducah, June-July, grades K-10)

A dozen classes are available for specific day and time only at the Challenger Learning Center in Paducah. Please visit their [website](#) for more information.

Summer Quest

(Murray, June 19-23, grades 2-11)

The Summer Challenge program at MSU provide gifted children opportunities to learn and express their talents through a variety of experiences.

The Science of Stuff with Market House Theatre

(Paducah, June 5-9 & July 10-14, grades 3-5)

Musical Theatre meets the science lab in this creative came. Students will work on the wacky musical *Matter and Its Properties* while also exploring the scientific principles introduced in the show.

WKCTC Summer STEM Camps

(Paducah, June, grades 1-10)

West Kentucky Community and Technical College will offer a variety of summer camps for area youth beginning in June. The camps will fill up quickly so early registration is encouraged. Visit the WKCTC workforce solutions [website](#) for more details.