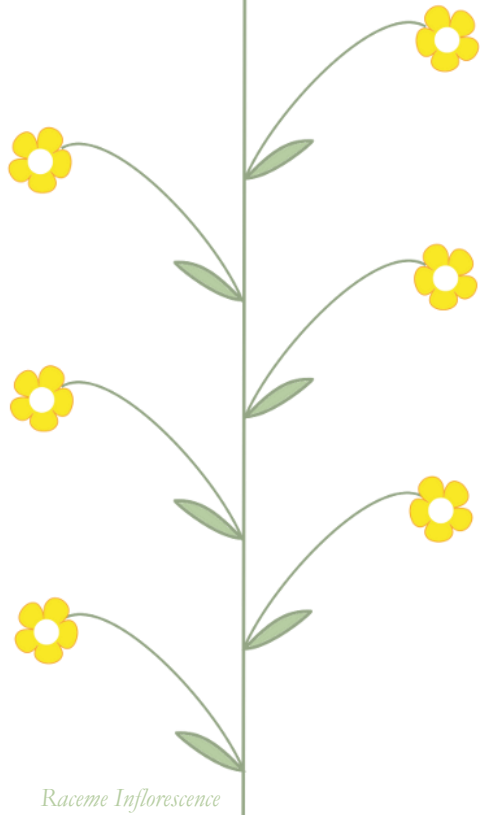
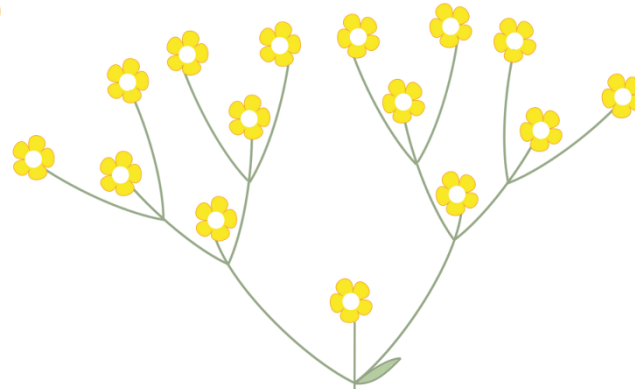




Kentucky Girls STEM
Collaborative Project



Raceme Inflorescence



Dichasium Inflorescence



Spike Inflorescence



Corymb Inflorescence

SPRING 2018 STEM GUIDE

CLUBS | CAMPS | CAREER DAYS | WORKSHOPS | CLASSES

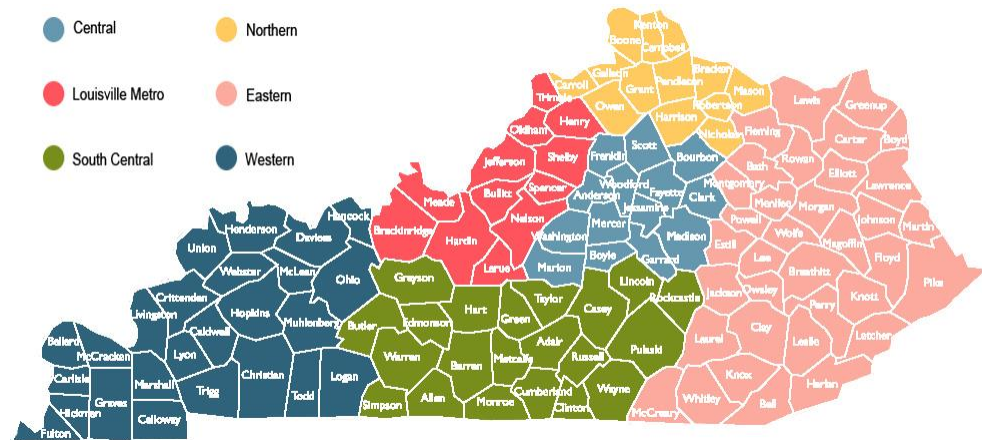
KGSC.ORG

@KYGirlsSTEM

THE KENTUCKY GIRLS STEM COLLABORATIVE HAS RESEARCHED AND CURATED THE LARGEST ONLINE COLLECTION OF STEM PROGRAMS FOR KY STUDENTS AND FAMILIES. ATTENDING ONE OF THESE PROGRAMS IS A GREAT WAY FOR GIRLS TO EXPERIENCE STEM OUTSIDE THE CLASSROOM AND LEARN MORE ABOUT POTENTIAL STEM CAREER PATHS. ALL OF THE OPPORTUNITIES LISTED ARE OPEN TO GIRLS, SOME ARE FOR GIRLS ONLY, BUT MOST ARE CO-ED.

THE SPRING 2018 KGSC STEM GUIDE IS YOUR ONE STOP FOR WORKSHOPS AND CAMPS DURING SPRING BREAK, AS WELL AS EARLY REGISTRATION INFORMATION FOR 2018 SUMMER CAMPS.

REGIONS



OPPORTUNITIES ARE ORGANIZED BY REGION.

KGSC.ORG



[2018 KY TechSavvy](#)

<https://www.facebook.com/groups/KyTechSavvy/>
(**Frankfort**, May 19, 2018, grades 5-8)

A day for middle-school girls and their parents to learn about academic and career opportunities in STEM. Hosted by AAUW Bluegrass Central Branch and Kentucky State University.

[Bricks 4 Kidz Spring Break Camps](#)

bricks4kidz.com/kentucky-lexington-georgetown/
(**Lexington**, April 2-6, ages 5+)

Super Hero Academy

Join Bricks 4 Kidz for a week Super Heroes with LEGO®. Build a fantasy world and protect it with LEGO® Bricks.

Transformation Creations

Ignite your inner engineer by using your imagination to transform your model into something unique. Join us for this fun-filled camp where you'll use your creativity and engineering skills to build and transform!

[EKU Aviation Career Day](#)

<http://aviation.eku.edu/insidelook/eku-aviation-hosts-annual-career-day>
(**Richmond**, April 13, Ages 14+)

EKU Aviation to host a day of interviews and networking with aviation industry professionals from around the country. High school students from the region are also welcome at the event to interact with EKU's 200 flight and management students.

[Explorium of Lexington Camps](#)

explorium.com/events/camps
(**Lexington**, Various NOW - August 2018, ages 3-11)

The Explorium of Lexington creates a fun and dynamic hands-on learning environment that inspires imagination and curiosity. The Explorium offers multiple day-camps during school holidays and breaks. The 2018 summer camp season will be a series of 12 camps in 12 weeks, with a different theme each week.

[Expanding Your Horizons](#)

<https://www.uky.edu/bae/eyh>
(**Lexington**, April 21, 2018, grades 6-8)

Expanding Your Horizons (EYH) is a conference for girls in middle school and their parents/ guardians. This day-long event will include hands-on activities in science, technology, engineering, and math (STEM) for girls and educational sessions for parents/ guardians. At the conference, girls will get a chance to meet STEM role models and learn more about careers in those fields.

[JANE World Premiere Watch Party](#)

<https://www.eventbrite.com/e/kgsc-x-natgeo-jane-watch-party-at-uk-tickets-43570242769>
(**Lexington**, March 12, All Ages)

Join KGSC for the broadcast premier of JANE, an unprecedented portrait of Jane Goodall — a trailblazer who defied the odds to become one of the world's most admired conservationists. Includes door prizes from National Geographic and reception with STEM mentors.

[Lexington Public Libraries STEAM Events](#)

<https://www.lexpublib.org/events>
(**Lexington**, Various NOW-June, All ages)

LPL brings STEAM to life in their various programs from on-going Maker Mondays to various one-day workshops on construction, coding, robots and a special PI-Day celebration on 3/14.

[Limitless Leaders Conference](#)

<https://www.eventbrite.com/e/3rd-annual-limitless-leaders-conference-for-girls-tickets-41912363006>

(Lexington, April 21, Ages 9-18)

Each year Limitless Leaders hosts a conference focused on leadership for girls covering various topics. This year we are partnering with Transylvania University and focusing on STEM!

[Living Arts & Science Center](#)

lasclex.org/

(Lexington, Various Now - August 2018, grades PreK-12)

LASC offers various STEAM-focused classes and workshops on school holidays, weekends, and after school. Choose from classes designed to spark every imagination, like robot building and 3D printing.

[Neuroscience Day](#)

<https://ccts.uky.edu/ccts/2018-ccts-spring-conference>

(Lexington, April 13)

The Bluegrass chapter of Society for Neuroscience and UKY's Center for Clinical and Translational Sciences present the 34th Neuroscience Day.

[Spring Break at Raven Run Sanctuary](#)

<http://www.ravenrun.org/events.html>

(Lexington, April 2, 4 & 6, grades K-5 & Aug.)

Explore spring-time flora, fauna and wildlife on land and in water at Raven Run nature sanctuary.

[Young Women Lead](#)

<http://youngwomenlead.com>

(Richmond, March 8, grades Grades 9-12)

A leadership conference at ECU focusing on Leadership, Education and Development. Featuring nationally recognized women who share their own insights on real life issues and how to overcome them to achieve successful and meaningful STEM careers.

[Asbury ImpactU Summer Camps](#)

<https://www.asbury.edu/impactu>

(Wilmore, June 4-8 & June 11-15, grades 9-12)

Environmental Science & Biotech Camp

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

Forensic Science

Explore the tasks involved in crime scene investigation. We will reconstruct an accident from scene to analysis of evidence to court case reporting.

[Aviation Camp](#)

<https://www.aviationky.org/order/>

(Lexington, June, ages 10-18+)

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.

[Camp Invention](#)

<http://campinvention.org/>

(Richmond, Hodgenville, Covington, Paducah, Pikeville, June-July 2018, grades K-6)

Led by experienced local educators and inspired by inductees of the National Inventors Hall of Fame, multiple camps are filled with activities.

[Georgetown College Robot Camps](#)

<http://www.georgetowncollege.edu/gc-robots>

(Georgetown, June 18-22, grades 3-4 & June 25-29, grades 5-8)

Using Lego EV3 robots campers will create and program robots to simulate how robotic 'bugs' are used in a variety of ways, from surveillance to pollinating crops.

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

(Georgetown, June 2018, grades 10-12)

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

[Newton's Attic Summer Programs](#)

<http://newtonsattic.org/>

(Lexington, Various 2018)

With a focus on engineering education, Newton's Attic half-day classes focus on a variety of topics, including chemistry, programming, STEAM, and the maker movement.

[Health Research Youth Academy](#)

<https://ahec.med.uky.edu/summer-health-career-camps>

(Lexington, June 11-30, grade 11)

An excellent opportunity for any student interested in a potential health care career, either in clinical practice or in the area of health care research. We are pleased to offer a 2-week residential camps free of charge to any student invited to attend. **Apply by MARCH 5, 2018.**

[KSU AgDiscovery](#)

<http://kysu.edu/academics/cafsss/research-extension/4-h-youth-development/agdiscovery/>

(Frankfort, June 3-6, grades 6-8)

A residential program that incorporates fun along with environmental science, math, and technology, so that activities are educational and entertaining. **Registration closes MARCH 12.**

[Midway Camps](#)

<http://www.midwaycamps.com>

(Midway, June, ages 7-13)

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

[See Blue Robotics Camp](#)

<https://education.uky.edu/stem/camp/>

(Lexington, June 4-8, grades 5-8)

The LEGO Robotics Camp will provide enhanced instruction in building and programming robots. Students will use sensors and coding to complete challenges and compete against their peers.

[See Blue STEM Camp](#)

<https://education.uky.edu/stem/camp/>

(Lexington, June 11 – 15 or June 18 – 22, grades 2-8)

See Blue STEM Camp at the University of Kentucky is designed to help students explore and integrate the STEM disciplines through authentic hands-on projects and real world applications.

[Summer at Sayre School](#)

<https://www.sayreschool.org/page.cfm?p=4866>

(Lexington, July 31 – August 4, ages 6-12)

Half- and full-day active learning classes to bolster thinking skills and improve creativity. 2018 camps include Engineering, Robotics, Jr. Oceanographer, Biology and Chemistry

[Spencerian College Med Camp](#)

<http://pages.spencerian.edu/medcamp/>

(Lexington, June 10-15 2018, grades 9-11)

An opportunity to try out many of today's most popular careers in healthcare. Participants will earn a variety of certifications, including First Aid, CPR, Airborne & Blood-Borne Pathogen certifications.

[STEM You Can! Summer Camps](#)

<http://www.science-interactive.org/>

(Lexington, July, Grades 3-5)

Free STEM day-camp for girls. High School students will instruct elementary students in a specific STEM-topic each day, helping them apply their knowledge by conducting hands on experiments.

[The Summer Enrichment Program](#)

<https://ahec.med.uky.edu/summer-health-career-camps>

(Lexington, June 11-30, grade 10)

A two-week residential health career camp open to rising high school juniors (current sophomores) hosted by the University of Kentucky Area Health Education Center. We are pleased to offer camps free of charge to any student invited to attend. **Apply by March 5, 2018.**

[Week of Code Summer Camp](#)

<https://www.awesomeincu.com/weekofcode/>

(Lexington, June-August 2018, 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.

[Youth Science Summit Lexington](#)

<https://kysciencecenter.org/programs/youth-science-summit/>

(Lexington, June 23, grades 6-12)

The Lexington Youth Science Summit is the premiere college prep event of the summer! Featuring the always popular Reverse Science Fair and hands-on lab sessions for Middle Schoolers. Unique to this site, High Schoolers can try out the Tech-preneur track to experience product development and business solutions via Lexmark's leadership.

LOUISVILLE METRO

[Brain Days at KY Science Center](#)

<https://kysciencecenter.org/news/brain-days/>

(Louisville, March 16-17, All Ages)

Fun hands-on activities include building a model neuron, comparing the nervous systems of animals as different as humans and flies, looking at brain and spinal cord sections, hacking your nervous system, and more.

[Cosmic Explorers Workshops](#)

<http://louisville.edu/planetarium/kids/cosmic-explorer-workshops>

(Louisville, March 18, 2018, Ages 4-6)

Cosmic Explorer Workshops at the University of Louisville's Gheens Science Hall & Rauch Planetarium allows kids and their parent(s) to have cosmic-sized fun learning about the vastness of our solar system.

[E-Expo at the University of Louisville](#)

<https://www.engineering-expo.com/>

(Louisville, March 3, 2018, all ages)

Speed School Student Council organizes and hosts E-Expo at the University of Louisville Speed School Of Engineering. E-Expo is a student organized and student run event and this year's theme is entrepreneurial engineering!

[LAS Public Star Party at the Parklands](#)

www.theparklands.org/Events/3992/LAS-Public-Star-Party-at-the-Parklands

(Louisville, March 30, All Ages)

Learn all about the Lunar Cycle from NASA Solar System Ambassador and Parklands Ambassador Ken Alderson then join the Louisville Astronomical Society and the Parklands Rangers for a Hike to the Moon.

[Louisville Zoo Spring Break Camp](#)

<https://louisvillezoo.org/education/public>
(Louisville, April 2-6, grades PreK-6)

All camps include zoo walks, animal presentations, attraction rides, and up close encounters with Zoo ambassadors. Choose an option based on your child's grade level.

[Louisville Free Public Libraries STE\(A\)M Events](#)

<http://www.lfpl.org/events.htm>
(Louisville, March-May, All ages)

#HowToFestival

(Main Library, May 13, all ages)

Learn how to do more than 100 things in 5 hours, including how to make a robot and how to make ice cream in a bag.

Rogue Girls

(Westport Branch, March 22 & April 21, Ages 11-14)

Each month we will explore a different theme. Explore engineering skills, critical thinking with the Sphero Challenge. Design and build working volcano and catapults in April with the Science & Physics of Legos.

Teen STEAM Club

(Southwest Branch, March 26, April 23, May 21 & June 26, Ages 12-19)

Try something new like programming robots or designing a 3D object to print. This monthly club is free for all ages and experience levels.

STEAM: Science & Art Collide! Series

(Main Library, ages 8-14)

Zap! on March 17 - Does electricity just fly through the air? How do animals use it to stun prey? It powers our technology, but how does it get from my house to my tablet? How does it get to my house? Explore these puzzles and more.

Chasing Storms on April 21 - When the skies turn dark and the wind picks up, things get really interesting. Will there be severe weather? What makes a gentle spring rain turn violent?

[The Parklands Spring Break Camps](#)

<https://www.theparklands.org/Things-To-Do/Camps>
(Louisville, April 2-6, grades K-6)

Lace up your hiking boots and grab your backpack for a week of fun and adventure at The Parklands of Floyds Fork! Each day campers will explore a new trail in Beckley Creek Park while investigating the flora and fauna that call the park home. Eagles, deer, raccoons, and fish are just some of the wildlife we hope to encounter while exploring the park.

[School's Out Science Camps](#)

<https://kysciencecenter.org/camps/>
(Louisville, April 2-6, May 4 & May 25, grades PreK-10)

School's Out Science Camps offer exciting educational experiences for future scientists! Join KY Science Center staff for unique topics designed to inform, engage and entertain!

[Snapology Spring Break Camps](#)

<https://embed.snapology.com/licensee/48/events/calendar/2018/04/>
(Louisville, April 2-6, ages 5-12)

Snapology is offering various day and week-long camps during Spring Break. Animation, robotics, Legos, and super powers are all on slate for a week of STEAM exploration in multiple locations through the region.

[Spring MakerPlace Programs at KY Science Center](#)

<https://kysciencecenter.org/news/spring-makerplace/>
(Louisville, March 10 & April 14, all ages)

Construct a hand-held game for you and a friend to compete. Glide into Spring in April, by building your very own flying machine. From rockets to hot air balloons, let your maker skills take flight.

SUMMER OPPORTUNITIES JUNE - AUGUST

[Aviation Camp](#)

<https://www.aviationky.org/order/>
(Louisville, July 19-20, ages 10-16)

Learn the history of aviation, investigate the principles of flight, and examine aircraft and engine design, and practice on a flight simulator.

[Brown-Forman INSPIRE](#)

<https://louisville.edu/speed/inspire/brown-forman-inspire-summer-enrichment-program>
(Louisville, June 19-29, Grades 9-12)

Brown-Forman's Increasing Student Preparedness and Interest in the Requisites for Engineering (INSPIRE) is a summer enrichment program designed to provide an introduction to engineering to students historically under-represented in the engineering field. In addition to introductions to various aspects of technology and fields of engineering, INSPIRE assists the students in identifying career interests and personality profiles.

[Bellarmine University](#)

<https://www.bellarmino.edu/ce/summeryouthcamps/>
(Louisville, June & July – see below, ages 10-16)

Summer 2018 Youth Camps on the campus of Bellarmine University offer various week-long camps in a variety of STEM interests including: Programming, Mathematics, Forensic Science, & Computer Arts.

[Camp Cardiac](#)

<http://www.campcardiac.org/louisville.html>
(Louisville, July, ages 15+)

Explore careers in healthcare with the UofL School of Medicine Camp Cardiac offering a variety of workshops, lectures and panels.

[Camp Invention](#)

<http://campinvention.org/>
(Hodgenville, Covington, Paducah, Pikeville, Richmond, June-July 2018, grades K-6)

Led by experienced local educators and inspired by inductees of the National Inventors Hall of Fame, multiple 4-day camps are offered.

[Camp Neuro](#)

<http://www.campneuro.org/description.html>
(Louisville, July, ages 15+)

Camp Neuro provides students with a unique opportunity to learn directly from experts in the medical and psychological fields.

[Club SciKidz](#)

<http://www.clubscikidzkentucky.com/programs/camp-schedules/>
(Louisville & PeWee Valley, June-July, Grades PreK-9)

Carefully researched STEM based science lessons help engage students in observation, measurement, identification of properties, and experimentation involving life, earth, and physical science concepts.

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

<https://www.idtech.com/locations/kentucky-summer-camps/louisville/id-tech-university-of-louisville/>
(Louisville, June-July, ages 7-17)

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



[J.B. Speed School of Engineering Summer Camps](https://louisville.edu/speed/outreach)

<https://louisville.edu/speed/outreach>

(Louisville, June - July, Grades 3-12)

App Development

(June 4-8, Grades 3-5 & July 16-20, Grades 6-8)

Campers will work with a certified app developer to design android apps. This camp will focus on the programming, coding and design pieces of app development.

LEGO EV-3 Robotics

(July 9-13, Grades 3-5 & June 25-29 Grades 6-8)

Students will learn to build and program LEGO's intelligent EV3 brick using interactive servo motors, remote control, infrared and color sensors. Intuitive software bring the EV3 to life.

Drones

(June 4-8, Grades 6-8 & June 11-15, Grades 9-12)

Engage in the UAS industry through a "learn, build, fly, and create" approach. Dive deeply into every component of STEM to develop critical cognitive skills through a hands-on, team approach.

Coding & Programming - BEGINNER

(June 11-15, Grades 6-8 & June 18-22, Grades 9-12)

Students will receive activity based introduction to the basics of coding and programming. Hands – on activities using inter-active devices are included in the "tool-kit" that the students use and take with them.

Coding and Programming - INTERMEDIATE

(July 9-13, Grades 6-8 & July 16-20, Grades 9-12)

Learn to code over 90 hands on projects. The ultimate coding kit includes LED light strip, speaker, sensor, buttons and more! At the end of the week, the coding kit is yours to take to continue the fun at home!

3D Printing

(July 23-27, grades 6-8 & July 30 – Aug. 3, Grades 9-12)

Imagination meets production in this hands-on summer camp. Join us this summer and learn to use a basic 3D computer added design software to create 3D plastic models. Campers will take their idea from paper to 3D model using the Maker Select 3D printer by Monoprice

[KCD Summer Stretch](https://www.kcd.org/Page/Programs/Summer-Stretch)

<https://www.kcd.org/Page/Programs/Summer-Stretch>

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

Kentucky Country Day School's Summer Stretch program includes dozens of courses covering academics, enrichment and the arts.

[Louisville Zoo Summer Camps](https://louisvillezoo.org/education/public/summercamps/)

<https://louisvillezoo.org/education/public/summercamps/>

(Louisville, May-August, Grades PreK-6)

All camps include zoo walks, animal presentations, attraction rides, and up close encounters with Zoo ambassadors.

[The Parklands Summer Camps](https://www.theparklands.org/res/uploads/media/2018-Summer-Camp-Flyer-FOR-WEBSITE_2.pdf)

https://www.theparklands.org/res/uploads/media/2018-Summer-Camp-Flyer-FOR-WEBSITE_2.pdf

(Louisville, Monday – Friday, June 4 – Aug. 10, Grades K-6)

Campers will investigate how plants and animals in The Parklands adapt to the winter climate while exploring our trails in this new season.

[Sacred Heart Schools](https://www.shslou.org/page.cfm?p=843)

<https://www.shslou.org/page.cfm?p=843>

(Louisville, June & July, Grades 4-9)

2018 camp offerings include Lego robotics, coding, jewelry design, 2D art/photography, and many more!

[Spencerian College Med Camp](http://pages.spencerian.edu/medcamp/)

<http://pages.spencerian.edu/medcamp/>

(Louisville, June 10-15 2018, Grades 9-11)

Participants will earn a variety of certifications including First Aid, CPR, and Airborne and Blood-Borne Pathogen certifications, enhancing their medical skill set.

[STEAMPunks Summer Camp](#)

<https://www.foxbrite.com/summercamps>
(**Louisville**, Various-TBD, Grades K-6)

Maker projects on circuitry, video game design, stop motion animation, robotics, film, coding, and more. Click on the registration link for description of 2017 camps. Sibling discount offered.

[STEM You Can! Summer Camps](#)

<http://www.science-interactive.org/copy-of-ky-louisville>
(**Louisville**, June & August, Grades 3-5)

Free STEM day-camp for girls. High School students will instruct elementary students in a specific STEM-topic each day, helping them apply their knowledge by conducting hands on experiments.

[Summer Camps at Rauch Planetarium](#)

<http://louisville.edu/planetarium/kids/summercamps>
(**Louisville**, June –August, Grades 2-9)

Space Adventure Camp

(June 25-29 & July 16-22, grades 2-4)

Campers plunge into astronaut training activities, create comets, launch rockets, build telescopes and much, much more..

Space Exploration Camp

(June 11-15 & July 30 – Aug. 3, grades 5-6)

Use probes, design solar ovens, craft human sun dials, and experience astronaut training while exploring human interactions with space.

Space Engineering Camp

(June 18-22, grades 7-9)

Engage in a variety of tasks designed to model some of the challenges humans encounter in the exploration of space.

[Summer Kid's College at ECTC](#)

elizabethtown.kctcs.edu/workforce_solutions/summer_kids_college/
(**Elizabethtown & Leitchfield**, June & July, Grades 1-12)

Explore courses in a college setting. ECTC is offering Kid's College courses in: 3D printing, Robotics, Forensics, Plastics & Strange Matter.

[The Studio](#)

<http://pages.sctd.edu/studio/>
(**Louisville**, June 10-15, Grades 9-12)

Techies and creatives come together to push the boundaries of innovation and bring ideas to life using the latest technology with students from the Sullivan College of Technology and Design.

[Sullivan Pharmacy Camp](#)

<http://pages.sullivan.edu/pharmcamp/>
(**Louisville**, July 9-13, Grades 10-12)

Explore the world of pharmacy as a potential career path at Sullivan University College of Pharmacy's Pharmacy Camp.

[Youth Science Summit Louisville](#)

<https://kysciencecenter.org/programs/youth-science-summit/>
(**Louisville**, June 16, Grades 6-12)

The day kicks off at the Louisville HQ of international data and technology firm Genscape, and expands to include lab experiences in multiple locations. Learn about STEM careers from STEM professionals.



SOUTH CENTRAL KY

[2018 Sky Sci Fest Expo Day](#)

<https://www.facebook.com/events/738116379726937/>
(Bowling Green, April 28, All Ages)

Dozens of multi-faceted events and activities to celebrate the wonders of science, technology, engineering, and mathematics. Attend stage performances and dozens of activity tables.

[Bowling Green Science Café](#)

<http://skyscifest.com/sciencecafe/>
(Bowling Green, last Monday of every month, All ages)

Join us for a casual evening where it is OK to ask questions and explore stem topics while having a good time. Upcoming topics: Advocating for science, honey bee conservation, gravitational waves and more!

[Warren County Public Libraries STEM Classes](#)

warrenpl.org/events
(Bowling Green, various, ages 7-16)

Girls of STEEL: Think Lab

(Bob Kirby Branch, Monthly: Second Mondays, ages 8-13)
A progressive STEAM lab that empowers girls to explore STEAM topics!

Young Inventors!

(Smith Grove Weekly: Thursdays, ages 7-11)
Learn new things through science and math fun!

[Lost River Cave Spring Break +.](#)

<https://lostrivercave.org/springbreakcamp/>
(Bowling Green, April 2-6, ages 6-12)

Learn about intricate ecosystems and crawling through cave passages to explore Kentucky's unique Karst environment.

[School's Out Science Camps](#)

<https://kysciencecenter.org/camps/>
(Bowling Green, April 2-6, Ages 6-11)

School's Out Science Camps from the KY Science Center offer exciting educational experiences for future scientists!

Lego Engineers (Ages 6-7)

Put your imagination to the test as you build, design, and engineer using these favorite construction tools - LEGOS®!

Lego Engineers (Ages 8-9)

Engineer a story-line with animation and code!

Project Engineers (Ages 10-11)

Gain insight into the world of projects engineering.

SUMMER OPPORTUNITIES JUNE - AUGUST

[2018 ASSET Conference](#)

<https://www.wku.edu/agriculture/assetconference.php>
(Bowling Green, June 10-14, current Juniors)

Explore leadership, communication and social development, interactions with professors and successful college students, tips for applying, entering and making the most of a college experience.

[Aviation Camp](#)

<https://www.aviationky.org/order/>
(Bowling Green, July 10-11, ages 10-16)

Learn the history of aviation, investigate the principles of flight, and examine aircraft and engine design, study the technology of flight, practice on a flight simulator at one of multiple 2-day camps offered by the Aviation Museum of Kentucky.

Camp Explore

wku.edu/gifted/camp_explore/index.php

(**Bowling Green**, June 4-8, 2018, grades 1-3)

Students will explore a wide range of subjects from math and science to art and theater. **REQUEST AN APPLICATION TODAY.**

Camp Innovate

wku.edu/gifted/camp_innovate/index.php

(**Bowling Green**, July 9-13, 2018, grades 4-5)

Students will explore a wide range of subjects from math and science to art and theater. **REQUEST AN APPLICATION TODAY.**

Lake Cumberland 4-H Camp Caving Adventures

<https://4-h.ca.uky.edu/cavingadventurecamp>

(**Jabez**, April 13-15, ages 9-17)

Lake Cumberland 4-H camp is working with organizations across the state to plan classes on caving, climbing, cave biology and sink-hole exploration. **PRE-REGISTRATION NOW OPEN.**

Lost River Cave Events

<https://lostrivercave.org/upcoming-events/>

(**Bowling Green**, Various, Ages 6-18)

Karst STEM Camp

(July 16-20, Grades 9-12)

Learn about biologic and geophysical investigation. Collect data and water quality measurements to help strategize Foundation Designs and Contamination Prevention Methods.

Junior Naturalist Program

(March - October, Ages 6-12)

Food, Water, Shelter, Space? Do you have what it takes to provide a welcoming environment for wildlife? Learn to add a few natural features or become a Certified Backyard Habitat

Science Investigation Camps

https://www.wku.edu/hardinplanetarium/camp/future_camps.php

(**Bowling Green**, TBD, grades 3-8)

Engage in investigations designed to stimulate curiosity, critical thinking and problem solving in a scientific context through fun, interactive play.

SCATS

wku.edu/gifted/scats

(**Bowling Green**, June 10-22, 2018, grades 6-8)

This 2-week summer camp hosted by WKU for academically talented middle school students offers nearly 30 courses.

VAMPY

<https://www.wku.edu/gifted/vampy/index.php>

(**Bowling Green**, June 24-July 14, 2018, grades 7-10)

A 3-week residential camp in a rigorous educational environment hosted by WKU. **REQUEST AN APPLICATION TODAY.**

Warren County Public Libraries STEM Camps

<http://warrenpl.org/camp/>

(**Bowling Green**, various, Ages 7-16)

Advanced STEM Camp

(**Bob Kirby Branch**, June 11-15)

Open to kids and teens who have completed a previous summer STEM Camp. This camp will focus on slightly larger and more in-depth projects.

Coding Camp

(**Bob Kirby Branch**, June 18-22)

Learn how to code using conditional statements, variables, loops, iteration, debugging, etc. Campers will program robots, create games and build a website.

STEM Camps

(**Bob Kirby Branch**, June 4-8, July 9-13, July 16-20, **Main Branch**, June 25-29, July 23-27, **Smiths Grove Branch**, July 5 & **Graham's Drive**, July 6)

A fun, hands-on approach to technology that offers a wide variety of projects - experience the thrill of creating something awesome!

[2018 Spring Camp Wave](#)

wavefoundation.org/education/campwave/spring-break-camp/
(**Newport**, March 26-30 & April 2-6, Grades K-8)

Explore The Ring of Fire- where towering volcanoes and deep ocean trenches line the Pacific Ocean- and meet the mysterious creatures that make their home there, including Giant Pacific Octopus, Moon Jellies and Japanese Spider Crabs.

[Career Exploration Initiative](#)

wavefoundation.org/education/cei-career-exploration-initiative
(**Newport**, various December-January, Grades 6-undergrad)

Three CEI Programs will give you a peek behind the scenes at the STEM at work every day in Newport Aquarium.

Conservation Biology

(March 24)

Discover how biologists at use science to save species every day through Species Survival Plans, Rescue Rehab and Release programs, and partnerships. Track a released sea turtle, extract DNA to better understand a species, and examine real tags used to monitor animal behavior.

Husbandry & Research

(April 21)

Go behind the scenes in the Aquarium's live foods room, learn positive reinforcement training methods, and conduct an ethogram focusing on our famous shark rays while learning what it takes to work hands on with our ambassador animals.

Women in STEM

(May 12)

Monitor water quality, calculate and prepare animal diets, and engineer aquatic life support systems, students will understand the STEM principles that go into professionally caring for our ambassador animals.

[Family STEM Night](#)

<https://www.bcpl.org/events/>
(**Florence**, March 22, All Ages)

Parents and children will learn together at Boone Co. Library Florence Branch as they explore different hands-on STEM stations including a visit from Dr. Ryle of the BB&T Observatory.

[Gills Club at Newport Aquarium](#)

<https://wavefoundation.org/education/gills-club/>
(**Newport**, April 14, ages 6-13)

Gills Club connects girls with community mentors and female scientists actively working in STEM- fields at Newport Aquarium, sharing knowledge and inspiring shark and ocean conservation.

[World Maker & Inventor Expo](#)

<http://www.themakerexpo.com/>
(**Florence**, April 28, All Ages)

A celebration of making, inventing, problem solving and innovation with robotics, 3D printing, drones, aerospace, coding, micro-computing, CSI, Arduino, graphic design, engineering and much more. Enjoy workshops and competitions, including drone relays, 3D design, outlaw derby races!

FOR MORE STEM OPPORTUNITIES IN

N.KY & S.OH PLEASE VISIT

BLOSSOMSCHOLASTIC.ORG/CAMPS/

THEGASKINSFOUNDATION.ORG/

CINCYMUSEUM.ORG/PROGRAMS/MUSEUM-CAMP

GREATERCINCYSTEM.ORG/

SUMMER OPPORTUNITIES JUNE - AUGUST

[2018 Summer Camp Wave](https://wavefoundation.org/education/campwave/summer-camp/)

<https://wavefoundation.org/education/campwave/summer-camp/>
(Newport, June-August, Grades K-12)

Ancient Oceans & Fossils

(June 4-8, grades K-8)

Did you know the Cincinnati area is one of the BEST places in the world to find fossils? This week we will delve into the world of what is under our feet, and learn about the amazing animals that once roamed our tristate!

Backyard BioBlitz

(June 9-13, grades K-8)

Join Camp WAVE as we explore the incredible plants and creatures that can be found in our own backyards!

AZA SAFE: Saving Animals from Extinction

(June 11-15, grades K-8)

Discover the exciting and important conservation work AZA accredited institutions like Newport Aquarium do every day, and take action to help save endangered wildlife and habitats!

Career Exploration

(June 18-22, grades 6-12)

Experience the many sides of working in an aquarium. Not only will you learn what we do, but also you will learn how to get there! Includes overnight camping at the Thomas Moore Field Station in California, Kentucky.

Shark Week

(June 25-29, grades K-8)

Watch our sharks feed, learn about what makes them jaw-some, and even touch them in this fin-tastic week at camp!

Summer of STEM

(July 2-6, grades K-8)

See first-hand how STEM fields can help develop and improve technologies, learn about extinct and living species, care for animals and better understand our world.

River Monsters

(July 16-20, grades K-8)

Scout the south bank Ohio River with us at Newport Aquarium, then travel to the Thomas Moore Field Station in California, Kentucky to experience research, electrofishing, and the variety of life in our river first hand!

Inquiry Quest

(July 23-27, grades 6-12)

Campers will learn how to use the QUEST model from Miami University's Project *Dragonfly* to design their own life science inquiry investigations using live animals and plants as their subjects of observation.

Biosphere Bingo

(July 30 – Aug. 3, grades K-8)

Each day, explore a new biome through animal encounters, crafts, and hands on science experiments. By the end of the week, you'll have a biosphere BINGO!

Out to Sea

(August 6-10, grades K-8)

From tide pools to the abyss, oceans are home to some of the most unique and diverse lifeforms on the planet.

[Camp Innovation: Pathways to College Program](https://inside.nku.edu/coehs/centers/gifted/youth.html)

<https://inside.nku.edu/coehs/centers/gifted/youth.html>

(Highland Heights, Saturdays: March 10-24, grades K-6)

Transdisciplinary courses infusing entrepreneurship, science, mathematics, social studies, technology, visual and performing arts.

[Camp Invention](#)

<http://campinvention.org/>

(Covington, June 2018, grades K-6)

Led by experienced educators and inspired by inductees of the National Inventors Hall of Fame, multiple 4-day camps with hand-on activities.

[Cincy Museum Summer Camps](#)

<http://www.cincymuseum.org/museum-camp/summer>

(Villa Hills & Crestview Hills, June-July, Grades K-7)

Super STEAM

(Villa Hills, June 18-22 & Crestview Hills, July 9-13, Grades K-2)

Explore science, technology, engineering, art and math each day! See how they all connect – you'll create works of art through explosive science, build drawing robots and much more!

Harry Potter

(Villa Hills, June 18-22 & Crestview Hills, July 9-13, Grades 3-7)

Grab your broomstick and fly to the Cincinnati Country Day School for a magical week at Hogwarts! Practice your potions skills, meet fantastic creatures and learn to duel. Costumes are encouraged but not required.

Jr. Jedi

(Villa Hills, June 25-29 & Crestview Hills, July 16-20, Grades K-2)

Happening this summer, in a galaxy not far far from you... Padawans are needed to help the cause and restore freedom to the galaxy! Hop in your speeder, find the droids you were looking for, and help save the universe. May the Force be with you!

Star Wars

(Villa Hills, June 25-29 & Crestview Hills, July 16-20, Grades 3-7)

Happening this summer, in a galaxy not far far from you... Join the Rebellion to help defeat the evil Galactic Empire! Work together to destroy the Empire's battle station, learn about spacecraft technology and participate in Jedi Training. May the Force be with you!

[CINSAM Summer Camps](#)

inside.nku.edu/artsci/centers/cinsam/p12students/summercamps.html

(Highland Heights, June 11 – July 29, grades 3-12)

LEGO robots, rocket-building missions - And so much more! Every summer, Faculty and staff from CINSAM at NKU host a variety of summer camps on topics in STEM. Scholarships are available.

[CINSAM Academies](#)

inside.nku.edu/artsci/centers/cinsam/p12students/summercamps.html

(Highland Heights, June 11 – July 13, grades 8-12)

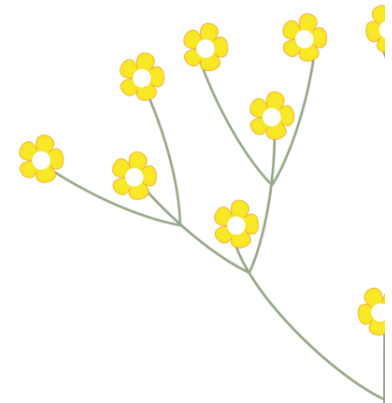
Working together with three NKU Colleges, CINSAM is now offering Summer Academies designed specifically for High-School students looking to deepen their content knowledge, prepare for future classes and bolster their resume in preparation for college applications.

[TSI Summer STEM Institute](#)

http://www.thomasmore.edu/fieldstation/summer_camp.cfm

(California, KY, July 15-20, 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.



[ACTC Summer Camps](#)

<https://ws.kctcs.edu/ashland/category/category.aspx?C=&S=7>
(Ashland, June-July, Ages 7-12)

Chemical Magic - Magical Microscopes - Rocks and Minerals

(June 25-29, Ages 7-12)

Learn to make batteries from food and fantastic crystal tree. Work with invisible ink and powerful magnets. Look at our prepared slides using our microscopes and learn about the different types of rocks and minerals from our interesting rock and mineral collection. Everything will be explained to you so you can go home having learned some interesting science.

Creative Engineering Workshop

(July 16-20, Ages 7-12)

Work with an advanced three dimensional construction kit that is yours to keep and take home. Design and build simple or complex models of a vehicle, a robot or buildings. You will also get your own 3-volt geared motor to power up a moveable Radar Surveyor. Learn the many ways you can make your motor run.

Electronics Lab

(July 16-20, Ages 7-12)

Learn about electronics the best way possible. You will experiment and take home your own Electronic Lab Kit. You will get to build a super race car engine sound, electric fan, motion detector, power microphone, trombone sounds, space war sounds, and so many more neat projects.

White Light - Lasers - Galaxies and then Some

(June 25-29, Ages 7-12)

Learn about LASERS. Dancing, swirling, pulsating laser light will be part of our Laser Light Show. Work with our light blitzer as a laser light flashes to music. Build and take home your own kaleidoscope, spectroscope, periscope and constellation watcher. Watch the constellations in our room and learn about all the planets as you take our 3-D Adventure into outer space!

[Aviation Camp](#)

<https://www.aviationky.org/order/>

(Hazard July 25-26 & Pikeville Aug. 1-2, Ages 10-16)

Learn the history of aviation, investigate the principles of flight and engine design. Practice on a flight simulator at one of multiple 2-day camps offered by the Aviation Museum of Kentucky.

[Blast Off Camp](#)

www.moreheadstate.edu/Academics/Craft-Academy/Go-For-Launch
(Morehead, June 25-29, Grades 8-10)

Students 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. This year's camp will feature sessions with astronaut Don Thomas. **REGISTRATION WILL BE OPEN THROUGH APRIL 15, 2018.**

[Camp Invention](#)

<http://campinvention.org/>

(Pikeville, Covington, Hodgenville, Paducah, Richmond, June-July 2018, Grades K-6)

Led by experienced local educators and inspired by inductees of the National Inventors Hall of Fame, multiple 4-day camps filled with hand-on activities are offered.

[Challenger Learning Center of KY Summer Camps](#)

<http://www.clcky.com/summer.html>

(Hazard, May – July, Ages 5-16)

These enrichment programs or “camps” teach science, technology, engineering, and mathematics in a totally hands-on manner where students are out of the classroom and on their feet having fun and learning. Topics range from basic engineering using Legos, space science, environmental issues, spy technology, rocket technology, and doing fun science experiments.

[Project IGNITE Program](#)

<http://www.ashland.kyschools.us/content2/ignite>

(Ashland, June 4-8, Grades 3-5)

Experience science, technology, engineering, art and mathematics through hands-on investigations that promote innovation and creativity at Ashland Middle School. *Flight* is this year's theme.

[SpaceTrek](#)

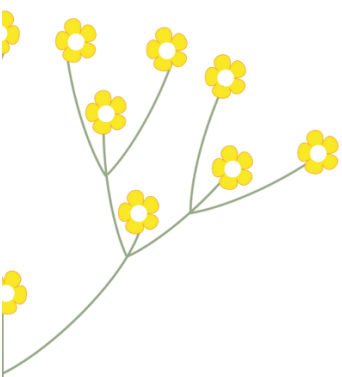
<http://www.spacetrekkky.org/camp>

(Morehead, July 6-14, 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. **APPLY NOW.**

FOR MORE STEM OPPORTUNITIES IN
E.KY & WV PLEASE VISIT

SSAWV.COM/
WV.STEMRC.COM/



WESTERN KY

SUMMER OPPORTUNITIES JUNE - AUGUST

[Camp Invention](#)

<http://campinvention.org/>

(Paducah, Pikeville, Covington, Hodgenville, Richmond, June-July 2018, Grades K-6)

Led by experienced local educators and inspired by inductees of the National Inventors Hall of Fame, multiple 4-day camps filled with hand-on activities are offered

[Challenger Learning Center of Paducah Space Quest 2018](#)

<http://clcpaducah.org/camps.htm>

(Paducah, June – July, Grades K-10)

With 14 classes from the Challenger Learning Center in Paducah, there is something for every space-curious explorer. View the [flyer](#)

[Chess Camp](#)

<https://www.murraystate.edu/academics/regionalAcademicOutreach/Noncredit/summercamps/chess.aspx>

(Murray, Paducah & Hopkinsville June, Grades K-12)

Inspired by the teachings and legacy of Dr. Wayne Bell, West Kentucky's legendary chess educator and advocate. Explore the history of the game, board/piece basics, the object/how to capture, tactics/strategy. Campers will gain confidence and independence, no matter if they're never played before, or are experience competitors.

[Explore STEM: Science](#)

<https://www.activekids.com/paducah-ky/technology/camp/explore-stem-science-2018-42903384>

(Paducah, June 8, Grades 2-3)

This camp includes many exciting hands-on science activities and experiments centered around the very important areas of STEM.

[Engineering Academy Summer Camps](#)

<http://clcpaducah.org/camps.htm>

(Owensboro, June, Grades 4-8)

These summer-time camp experiences prepare students for higher-level STEM classes. The critical thinking, creative problem-solving and collaboration skills that campers learn will benefit them for a lifetime.

[Murray State CSIS Summer Camp](#)

<http://www.murraystate.edu/academics/CollegesDepartments/CollegeOfBusiness/Programs/CSIS/summercamp.aspx>

(Murray, June 11-14, Grades 6+)

Learn common programming and AI concepts by creating simple games. Take apart a computer and put it back together, build and program robots to solve a problem, create computer graphics and 3D animations, and build a simple web page with the Murray State CSIS department.

[Murray State Robotics and Minecraft Camps](#)

murraystate.edu/academics/CollegesDepartments/CollegeOfEducationandHumanServices/CommunityPrograms/roboticscamps/index.aspx

(Murray, TBD, Grades 2-9)

Campers may select from sessions featuring LEGO® WeDo, LEGO® WeDo 2.0, LEGO® MINDSTORMS® NXT, and LEGO® MINDSTORMS® EV3 robots.

[No Boys Allowed Summer STEAM Camp](#)

ws.kctcs.edu/westkentucky/course/course.aspx?C=444&pc=52&mc=&sc=
(Paducah, June 18-22, Grades 7-12)

This camp is designed to give middle school and high school girls an opportunity to explore exciting engineering and scientific fields through demonstrations, classroom presentations, hands-on activities, field trips and contacts with professionals in the STEM fields.

[School's Out Science Camps](#)

kysciencecenter.org/science-travels-to-you/schools-out-science-camps/
(Bowling Green, June 11-15 & July 16-20, Ages 6-11)

School's Out Science Camps offer exciting educational experiences for future scientists! Join KY Science Center staff for unique topics designed to inform, engage and entertain!

[Youth Science Summit Owensboro](#)

<https://kysciencecenter.org/programs/youth-science-summit/>
(Owensboro, Summer 2018, grades 6-12)

Join your peers for a STEM-focused event that puts you on track to becoming a leader of tomorrow. Youth Science Summits help match your big ideas to potential careers, programs, and fields of study.

FOR MORE STEM OPPORTUNITIES IN
KY, OH, WV, AND TN PLEASE VISIT

THECONNECTORY.ORG

