MISSION

STEM FOR ALL

KGSC has researched and curated the largest online collection of STEM programs in Kentucky.

Attending one of these events is a great way for KY students and families to experience STEM outside the classroom and lean more about potential STEM careers. All of the opportunities are open to girls, most are co-ed.

NEAR & FAR

EVENTS ARE ORGANIZED BY REGION

No matter if you live in a rural or metropolitan area, KGSC wants to connect you with the STEM programming in your area.
Bright Ideas: STEM Showcase & Girls World Expo
https://www.girlsworldexpo.com/expos/lexington/
Lexington, March 8, 2020, Ages 12-17
Girls World Expo is a day-long event created by local teen girls for local teen girls. Showcase your STEM project at their Bright Ideas: STEM Showcase.

Coding Class at Boyle County Public Library STEAM Events
https://www.boylepublib.org/events/coding-class
Danville, Ongoing, Grades 6-12
Dr. Christine Shannon and Lucy Minichillo offer coding opportunities at the BCPL Computer Lab during the school year. No prior experience is necessary and enroll any time!

EKU Chautauqua Lecture Series
https://chautauqua.eku.edu/
Richmond, Ongoing, All Ages
Speakers and presenters include a host of leading scholars and prominent figures in the fields of environmental science, psychology and counselling, politics, philosophy, and anthropology.

Explorium of Lexington Camps
explorium.com/events/camps
Lexington, Ages 3-11
Fun and dynamic hands-on learning that inspires imagination and curiosity all year long; offering multiple, various-themed day-camps during school holidays. Day camps offered on most Snow Days.

Grossology (Dec. 23) Maker Fun (Dec. 26-31 & Jan. 2-3)
Crazy Characters (Feb. 17) Backyard Bugs (March 20)

Hummel Planetarium Public Events
https://planetarium.eku.edu/
Richmond, All Ages
Throughout the academic year, EKU’s planetarium offers public vents and shows. Each show is followed by a Live Star Talk and tour of what is in that night’s sky, solar system, and beyond. Join them January 25 for “Sound Explorers”

Jessamine County Library STEM Events
https://www.jesspublib.org/
Nicholasville, All Ages

STEM: Coroner Cases (Dec. 9) STEM: Trip to Mars (Dec. 23)
Josephine Sculpture Park Night Sky Tours
https://josephinesculpturepark.org/calendar/
Frankfort, All Ages

Explore the night sky with expert guidance from Dan Price, NASA Solar System Ambassador, outside through our large telescopes.

- The Sun (Dec. 21)
- Moon Madness (March 28)
- The ISS (Jan. 18, 2020)
- Hubble Telescope 30th Anniversary (April 25)

Lexington Public Libraries STEAM Events
https://www.lexpublib.org/events
Lexington, All Ages unless otherwise noted

LPL brings STEAM to life in their various programs from on-going Maker Mondays to various one-day workshops on construction, coding, robots.

- K-5 Extreme Explorers (Eastside Branch Dec. 12, 19)
- (Tates Creek Branch Dec. 22)
- (Village Branch Dec. 12, 19)
- (Beaumont Branch Jan. 7)
- Hour of Code (Northside Branch, Dec. 8, Grades 3-12)

Living Arts & Science Center
https://lasclex.org/
Lexington, Grades PreK-12

When School is Out, Fun is in at the LASC. The fine educators at LASC offer various STEAM-focused classes and workshops on school holidays, weekends, and after school. Choose from classes designed to spark the imagination, like robot building and 3D printing.

Madison County Public Library STEAM Events
http://madisonlibrary.evanced.info/signup/Calendar
Richmond & Berea, All Ages unless otherwise noted

Come have fun playing and tinkering with our science kits at your own pace.

- Hour of Code (Berea 2nd Mondays, Richmond Dec. 13)
- From Clueless to Coding (Berea, Dec. 15 & 22)
- 3D Toy Makers (Berea, Dec. 17, Ages 11+)
- STEM Lab (Richmond, 3rd Thursdays, Ages 6+)

Newton’s Attic Winter Break Programs
http://newtonsattic.org/programs/holiday-break/
Lexington, Dec. 23, 26-27, 30-31, Jan. 2 & 3, Grades 1-8

KGSC collaborators and engineering wonderland Newton’s Attic hosts STEM programs that engage and stimulate when school is out. Half-day and full-day options available!

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Paris-Bourbon County Public Library STEAM Events

https://www.bourbonlibrary.org/#

Paris, Ages 6+

Come have fun playing and tinkering with our science kits at your own pace.

STEM Magic (Dec. 19, Ages 6-12)
STEAM Engine (Last Mondays starting Jan., Ages 13+)

Paul Sawyer Public Library STEAM Events

https://www.psp.org/

Frankfort, All Ages

Paul Sawyer Public Library hosts monthly STEAM programs and special events from their education staff and KY Science Center.

Snow Science (Jan. 8, Grades K-2) Legos (Dec. 29 & Jan. 26)

Raven’s Run Little Explorers

https://ravenrun.org/events

Lexington, Dec. 28, grades K-5

Raven Run Park is a 734-acre nature sanctuary near the Kentucky River Palisades. Explore Winter Wildlife Treats by taking a winter hike with educational staff followed by a hands-on activity.

Scott County Public Library STEAM Events

https://scottpublib.evanced.info/signup/calendar

Georgetown, All Ages

Learn, gather, and grow with Scott County Library’s discovery-based STEAM programming

Trees: Identifying Majesty (Jan. 11) Tween STEM Afternoon (Jan. 24 & Feb. 21)

UK Lexmark E-Day 2020

https://www.engr.uky.edu/eday

Lexington, February 22, 2020, All Ages

Engineers Day is a celebration of everything engineering has to offer. From building bridges to discovering new medications to writing the software that powers our cell phones, engineers and computer scientists do the things that make our 21st-century world work.

West Sixth Suds and Science

https://www.facebook.com/pg/WestSixthSudsandScience

Lexington, Last Mondays beginning Jan. 2020, All Ages

These family friendly events aim to bring local scientific experts from every field into the brewery to give a short presentation followed by Q&A in a relaxed atmosphere. Suds and Science will be back in 2020 on Jan. 27th with a talk about “What Good Are Big, Old Trees?”! 
Bricks 4 Kidz After-School Clubs
bricks4kidz.com/
Oldham, Jefferson & Shelby Counties, Grades K-6

Join Bricks 4 Kidz for fun and educational after-school clubs using LEGO® Bricks. The program integrates multiple modes of learning that fits every type of learner. Students learn to build with LEGO®, while also building their own curiosity, creativity and confidence!

Cosmic Explorers Workshops
http://louisville.edu/planetarium/kids/cosmic-explorer-workshops
Louisville, All Ages

Cosmic Explorers Workshops at the University of Louisville’s Gheens Science Hall & Rauch Planetarium where kids and their parents) have cosmic-sized fun with hands-on, engaging activities.

Rocks Rock! (Feb. 16) Solar System Adventure (Mar. 15)

E-Expo at the University of Louisville
https://www.engineering-expo.com/
Louisville, March 7, 2020, 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.

Gheens Science Hall & Rauch Planetarium Girl Scout Workshops
http://louisville.edu/planetarium/events
Louisville, Daisies—Ambassadors

Earn your space science badge at the planetarium.

Space Science Badge Dual Workshop: Daisies and Brownie (Jan. 11)
Space Science Investigator Juniors (Jan. 18)
Dual Badging Workshops for Seniors and Ambassadors (Jan. 25)

Gheens Science Hall & Rauch Planetarium Public Events
http://louisville.edu/planetarium/events
Louisville, All Ages

Kids have a blast at our annual holiday party with festive, holiday-themed kids activities and treats. Members of the Louisville Astronomical Society (LAS) come to the planetarium for sky talks and to share tips on buying and using a telescope at these FREE workshops.

Holiday Party (Dec. 7) LAS Monthly Skies Over Louisville (Dec. 13)
Using your Telescope Workshop with LAS (Jan. 10)

Girls Rule Summit
https://louisville.edu/speed/outreach
Louisville, TBD 2020, Grades 3-12

A full day of sessions designed to engage self identified girls in STEM content through hands-on experiences. Parents, guardians, and leaders learn how to engage girls in STEM and receive great resources to continue STEM learning after the program ends.
LaRue County Library STEAM Events
http://www.laruelibrary.org/youth.html
Hodgenville, All Ages unless otherwise noted

- Mad Scientists (1st Fridays)  
- Lego Club (1st and 2nd Fridays, Ages 5-12)  
- Nature Night s(Second Wednesdays)

Louisville Astronomical Society Sky Watch at Bernheim
https://louisville-astro.org/events
Clermont, Dec. 21, All Ages

Join Volunteer Naturalists and the Louisville Astronomical Society (LAS) on the equinox to see brilliant stars and constellations of summer through the telescopes graciously provided by LAS members.

Louisville Free Public Libraries STEAM Events
http://www.lfpl.org/events.htm
Louisville, Ages 5+

LFPL brings STEAM to life in their various programs from on-going Maker Mondays to STEM workshops on robotics, coding, 3D printing and more.

- STEAM Club (St. Matthews, Tuesdays)  
- Tinker Lab (Northeast, 2nd Saturdays)  
- STEAM Story Time (Highland/Shelby, Dec. 14)

Louisville Zoo Winter Break Camp
https://louisvillezoo.org/education/public/
Louisville, Jan. 2, 3 & 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.

No Limits Family Nights at KY Science Center
https://kysciencecenter.org/programs/no-limits-family-nights/
Louisville, Dec. 15 & March 24, All Ages

No Limits Family Nights offer interactive exploration for families of children with special needs in a sensory friendly environment. No matter the special need, there are no limitations when doing STEM!

Oldham County Libraries STEAM Events
http://www.oldhampl.org/calendar.html
LaGrange & Goshen, Grades K-5

Spark their interest in STEAM with interactive programming from Oldham Co. Libraries

- S.P.A.R.K. (South Branch, Wednesdays)  
- Makers Club (Mehan Branch, Jan. 23)  
- Lego Club (Mehan Branch, Dec. 12 & Jan. 16)
Public Astronomy Lecture Series from UofL


Louisville, March 7, 2020, All ages

members of UofL’s Physics department and visiting lecturers will hold approximately one evening public lecture per month during autumn and spring semesters. Upcoming topics include Jet Streams and Asteroids

The Parklands Winter Break Camp

https://www.theparklands.org/Events

Louisville, Dec. 23, 26-27 & 30, Grades K-6

Channel your inner nature explorer as we hike a different trail each day, enjoying the winter landscape along the way. Learn your way around The Parklands and discover new places with the help of our knowledgeable interpretive staff. We will be investigating topics such as how plants and animals adapt to the winter climate.

Science Celebrations at KY Science Center

https://kysciencecenter.org/programs/science-celebrations/

Louisville, All Ages

Science Celebrations offer you and your young scientist the opportunity to interact with regional businesses and STEAM practitioners as they showcase their own real-world experiences.

- Coding Days (Dec. 12-13)
- Brain Days (March 20-21)
- Engineering Days (Feb. 21-22)
- Dog Days (May 8-9)

School’s Out Science Camps from KY Science Center

https://kysciencecenter.org/camps/

Louisville, Grades PreK-5

Kentucky Science Center’s School’s Out Science Camps offer exciting educational experiences for little scientists! Join us for unique topics designed to inform, engage and entertain!

- **PreK-K**
  - Coding Unplugged (Dec. 23, 26-27)
  - Eric Carle Science (Jan. 6)

- **K-1**
  - Lego Wedo (Dec. 23, 26-27)
  - Storybook Science (Jan. 6)

- **2-3**
  - Scratch Coding (Dec. 23, 26-27)
  - Potters Potions (Jan. 6)

- **4-5**
  - Principals of Coding (Dec. 23, 26-27)
  - Storyboard and Animation (Jan. 6)

- **Machine Madness** (Dec. 30-Jan. 3)
- **Junkyard Band** (Dec. 30-Jan. 3)
- **Castles & Catapults** (Dec. 30-Jan. 3)
- **Making** (Dec. 30-Jan. 3)
Snapology Winter Camps
https://www.snapology.com/locations/louisville#camps
Louisville, Grades Pre-K-8

- **Introduction to Robotics** (Dec. 5 & 19, Grades K-2)
- **Mega Machines Robotics** (Dec. 9 & 16, Grades 2-3)
- **Lego STEM Club** (Dec. 11 & 18, Pre-K)
- **Amusement Park Engineering** (Dec. 11 & 18, Grades 6-8)
- **Planes, Trains, & Automobiles Jr.** (Tuesdays, Jan. 14—March 3, Grades Pre-K-K)
- **Creature Creator Robotics** (Thursdays, Jan. 16—March 5, Grades 1-3)
- **Introduction to Robotics** (Wednesdays, April 8—May 6, Grades K-2)

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**Spencer County Public Library STEAM Events**
http://spencercountylibrary.evanced.info/signup/Calendar
Taylorsville, All Ages unless otherwise noted


- **CS First Coding** (Dec. 11, 17 & Jan. 14, Ages 5-12)
- **STEAM Sturdy Structures** (Dec. 21)

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**Winter MakerPlace Programs**
https://kysciencecenter.org/programs/makerplace-workshops/
(Louisville, Dec. 14, Ages 8+)

*Holiday fun and learning collide at the all new KSC MakerPlace.*

- **DIY Ornament or Snow Globe**: (Dec. 14)

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**Youth Science Summit Southern Indiana**
https://kysciencecenter.org/programs/youth-science-summit/
Lawrenceburg, IN, Jan. 24, Grades 6-12

*returns to Ivy Tech for the second year in an event exclusive to high school students. This school day youth conference features engaging lab sessions and Speed Mentoring led by regional STEAM professionals. Lunch and a t-shirt are provided.*
Boone County Public Libraries STEAM Events
https://boone.libnet.info/events
Florence & Hebron, All Ages unless otherwise noted
Explore science, technology, engineering, art, and math with Boone Co. Libraries.

Boone Innovation Lab (Hebron, Dec. 18, Jan. 18, Feb. 15, Grades K-5 & 6-12)
Ohio River Foundation Mussels Exhibit (Hebron, Jan. 16—Feb. 6)
Coding with Classics (Scheben, March 13)
Kentucky Science Center Engineering Expo (Scheben, March 22, Grades K-5)

Campbell County Public Libraries STEAM Events
https://www.cc-pl.org/events
Alexandria, Cold Spring, Fort Thomas, Newport, Dec. 5 & Jan. 2, Grades 8+
Campbell Co. Libraries provides enriching fun and educational experiences for the community that entertain, inform and enlighten.

Minecraft Club (Cold Spring, Dec. 9 & Jan. 13, Teens)
Adventure Club (Alexandria, Dec. 13 & Jan. 31, Grades 1-5)

Career Exploration Initiative at Newport Aquarium
wavefoundation.org/education/cei-career-exploration-initiative
Newport, Grades 6+
Get a sneak peek behind the scenes at the STEM at work every day in Newport Aquarium.

Aquanaut Discovery (Dec. 10, Jan. 9 & 14, Feb. 4 & 13, March 3, April 2, 9 & 21)
Junior Explorers (Dec. 21, Jan. 7, 21 & 30, Feb. 6, 11 & 27, March 19, April 7 & 16)

Cincy Museum STEM Club
https://www.cincymuseum.org/sciencemuseum/stem-lab/
Cincinnati, Dec. 8, 21, 28 & Jan. 25, All Ages unless otherwise noted
Get started in STEM, or go deeper than you have time for in school, by visiting the museum’s STEM Lab. The lab’s amenities include a fume hood and gas connection, which allows for explosively interesting chemistry demonstrations, touchscreen televisions and a ton of space to test your own methodology.

Grant County Public Library Stories & STEM
http://www.grantlib.org/
Willamstown, Ages 5-10
Combining literature and science to collect evidence, solve problems, and observe & analyze results, your kids will experience stories on a whole new level.

Gingerbread Man vs Gingerbread Girl (Dec. 9)
Goldilocks Returns (Jan. 11) Robin Hood Takes Aim (Feb. 22)
NKU Camp Innovation: Pathways to College
https://inside.nku.edu/coehs/centers/gifted/youth.html
Highland Heights, Saturdays March 7-21 Grades 2-9

Camp Innovation encourages students to pursue their passions outside of the regular school day. Through interactive, minds-on approaches to learning, students explore and investigate diverse trans-disciplinary topics of interest with like-minded peers.

NKY MakerSpace Workshops
http://www.nkymakerspace.com/workshops.html
Erlanger, Grades 2-5

NKY Makerspace workshops bring interactive and collaborative STEM programming to students. Located in Erlanger, KY, inside the Ignite Institute. NKY MakerSpace is a regional program serving K-12 students through field trips, workshops and internships.

STEM Maker Lab—Playful Designs (Dec. 9 & 16)
Girls Only Super STEM Saturday (Dec. 7)

STEM Girls Day Out Courses from Cincy Museum
https://www.cincymuseum.org/stem-girls/ (cincinnati, Dec. 7 & 14, Jan. 4 & 18. Ages 7-14

STEM Girls Day Out is a program that brings STEM Girls participants directly to the labs, facilities, and offices of women who are actively working in STEM fields. Prepare to spend an afternoon exploring active STEM work sites, participating in STEM activities, discussing STEM careers and making new friends along the way.

Wave Foundation’s Gills Club for Girls
https://wavefoundation.org/education/gills-club/ (Newport, Dec. 14, Ages 6-13)

A free program series for girls to connect with community mentors and female scientists actively working in STEM at Newport Aquarium, sharing knowledge and inspiring shark and ocean conservation. Each meeting will cover a new topic, meet a new expert, and activities.

WAVE Foundation’s School’s Out! Camp WAVE
https://wavefoundation.org/education/campwave/schools-out/ (Newport, January 20, Grades K-8

Camp WAVE is the only camp around where campers have the chance to meet sharks, penguins, and stingrays up close while exploring the aquatic wonders around us. From uncovering creatures of Cincinnati’s ancient seas to learning about international efforts to conserve endangered species.
East Kentucky Science Center Public Events
https://bigsandy.kctcs.edu/community/eksc/index.aspx
Prestonsburg, Various, All ages unless otherwise noted

- **Geology Super Science Saturday** (Dec. 14, All ages)
- **Light and Laser Show** (Tues. & Sat. Sec. 3—Dec. 19)
- **Minecraft Club** (2nd Saturday of Each Month)

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Rowan County Library STEAM Programs
http://rowan.boundless.ly/programming/
Morehead, Various, Grades K-8

- **Geek Speak technology Group** (Dec. 14, All ages)
- **LEGO Club** (Last Saturdays starting January)

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Fleming County Public Library STEM Events
http://www.youseemore.com/fleming/calendar.asp
Flemingsburg, Various, All ages unless otherwise noted

- **Roblox** (Second Wednesdays, Ages 11+)
- **Girls Who Code** (Every other Wednesday starting Jan. 15)
- **LEGO Club** (Third Thursdays, Ages 6-10)
- **Minecraft Lab** (Third Thursdays, Ages 11+)
- **Nature Club** (Second Tuesdays, Ages 6-10)

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Harlan County Library LEGO Mania
http://www.harlancountylibraries.org/progmservs2.html
Cumberland & Evarts, All Ages

*Fun with Lego blocks at the Rebecca Caudill Public Library on the last Tuesday of every month AND the 1st Tuesday of every month at the Evarts Public Library.*

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Lawrence County Library Makerspace
http://lcplky.org/events/
Louisa, Fridays, Ages 5+

*Drop-in program for kids and young adults that encourages art and creativity. All supplies provided.*
McCreary County Library Girls Who Code  
https://www.facebook.com/McCreary-County-Public-Library-138482377467/  
Whitley City, Dec. 16, 23 & 30, Grades 3-12  

Girls Who Code is a computer science club which aims to support and increase the number of women in computer science fields by equipping young women with the necessary computing skills to pursue 21st century opportunities.

Powell County Library Maker Mondays  
https://www.pcpilky.org  
Whitley City, Grades K-5  

Join staff every Monday for a different maker activity.

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FOR MORE STEM OPPORTUNITIES IN EKY & WV VISIT  
WWW.THECONNECTORY.ORG  
SSAWV.COM  
WV.STEMRC.COM
Challenger Learning Center Clubs
http://clcpaducah.org/
Paducah, TBD on January 7

Explore the amazing wonders of science during our after school programs, Club Challenger. Students will join us at the Challenger Learning Center once a month to participate in exciting, hands-on activities related to space and science. Spring 2020 dates will be release Jan. 7

Henderson County Library STEM Events
https://hcpl.evanced.info/signup/
Henderson, All Ages unless otherwise noted

Tween Scene—STEM (Tuesdays, Grades 3-5)
Make and Take Saturdays (Third Saturdays)

McCracken County Library STEM Events
https://www.mclib.net/calendar/category/steam-learning/
Paducah, All Ages unless otherwise noted

Wonder Time (Tuesdays, Ages 6-14)
Creation Station (Saturdays)
Family Game Night with Chess Master James Patterson (Thursdays)

Super Saturdays at Murray State
https://www.murraystate.edu/academics/CollegesDepartments/CollegeOfEducationandHumanServices/coehsacademicunits/EducationalStudiesLeadershipandCounseling/supersaturdays.aspx
Murray, November 2, 9 & 16; March 7, 14 & 21, 2020, Grades K-8

Super Saturdays is a program for gifted education and primary talent pool students ages kindergarten through 6th grade. The workshops are taught by certified teachers and professionals in the field in which they teach. The classes are STEAM-based and range from chemistry to foreign languages, to creative writing, arts, and engineering.

Lexmark E-Day 2020
https://www.engr.uky.edu/outreach
Paducah, February 22, 2020, All ages

Engineers Day, or E-Day, is a celebration of everything engineering has to offer. From building bridges to discovering new medications to writing the software that powers our cell phones, engineers and computer scientists do the things that make our 21st-century world work.

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Bowling Green Science Café
https://www.facebook.com/pg/SKySciFestival/events
Bowling Green, last Monday of every month, All ages

Join fellow science-enthusiasts for a casual evening where it is OK to ask questions and explore stem topics while having a good time. The topic of January’s Café is "Number Non-Sense: To Infinity and Beyond" with Bruce Kessler.

Lincoln County Public Library Science Play2Go
http://www.lcplinfo.org/calendar-2/
Stanford, December 16—March 19

Visit the library through March 2020 for Kentucky Science Center’s progressive next-generation learning experience. Scicne Play2Go empowers children and adults to learn together, and for life, all through the power of play.

Super Saturdays at WKU
https://www.wku.edu/gifted/super_saturdays/
Bowling Green, February 1, 8, 15 & 22, Grades 1-8

Super Saturdays encourages students of high ability or high interest in a topic to pursue their passions outside the regular classroom. Through a hands-on, minds-on approach to learning, students explore and investigate such areas as math, art, science, history, writing, music, and performance under the thoughtful guidance of experienced teachers and in the company of enthusiastic, like-minded peers.

Warren County Public Libraries STEM Camps
http://warrenpl.org/camp/
Bowling Green, All Ages unless otherwise noted

Girls of Steel: Think Lab (Bob Kirby Branch, 2nd Mondays, Grades 3-8)
What Makes You So Special?! (Smiths Grove Branch, Sept. 30, Ages 7+)
Makergarten (Bob Kirby Branch, 2nd Thursday, Ages 5-7)
Young Inventors (Graham Drive Community Library, Wednesdays, Ages 8-11)
Help Us Bring the Opportunities to You!
Please contact us to share your upcoming STEM Events in Kentucky with our Collaborative

KENTUCKY GIRLS STEM COLLABORATIVE
WINTER 19/20
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