

## STEM CAMPS AND RESOURCES - 2024

NAME	TYPE	ATTENDEES	DESCRIPTION	LOCATION	LINK
<b>CAMPS AND PROGRAMS</b>					
Sally Ride Science Camp	week-long overnight camps	Girls entering 4th through 9th grade	provide girls an opportunity to explore science, technology, and engineering through experiments and observations while staying on a university campus	UC San Diego	<a href="https://extension.ucsd.edu/courses-and-programs/Sally-Ride-Science">https://extension.ucsd.edu/courses-and-programs/Sally-Ride-Science</a>
Education Unlimited Science Camps	week-long overnight or day camps	Girls entering 4th through 9th grade	Provide girls an opportunity to explore forensics or computer programming while staying on a university campus	UC Berkeley, UC San Diego, Stanford	<a href="https://www.educationunlimited.com/camp/6/eu:a+-summer.html">https://www.educationunlimited.com/camp/6/eu:a+-summer.html</a>
The Tech Summer Camps	part-time or full-day weeklong classes	Girls and boys entering 4th through 8th grade	Explore everything from engineering and programming to medicine and cooking. Design your day just the way you like it—one class or two classes, extended care in the morning or afternoon; lunch.	The Tech Museum of Innovation, San Jose	<a href="https://thetech.org">https://thetech.org</a>
COSMOS - California State Summer Schools for Math and Science	4-week residential summer programs	Girls and boys completing grades 8th through 12th	Courses are taught by active UC faculty and researchers. High-achieving students participate in hands-on labs, field activities, lectures, and discussions. Students also work on a related research project. Application includes resume, grades, teacher recommendations. Applications due February 21.	UC Davis, UC Irvine, UC Santa Cruz, UC San Diego	<a href="https://cosmos-ucop.ucdavis.edu/app/main">https://cosmos-ucop.ucdavis.edu/app/main</a>
Duke University Talent Identification (TIP) Programs	three-week overnight camps	Students 7th through 10th grade	Wide range of science topics. Superb academic opportunities and dynamic residential and social experiences.	variety of locations	<a href="https://learnmore.duke.edu/precollege/all-programs">https://learnmore.duke.edu/precollege/all-programs</a>
Seymour Marine Discovery Center Summer Program - Ocean Explorers	day camp. Weekly sessions.	Ages 7 to 14	Experience the thrill of scientific discovery at a working marine lab. Students actively learn from field explorations, hands-on activities, games, and crafts	Joseph M. Long Marine Laboratory, UC Santa Cruz	<a href="https://seymourcenter.ucsc.edu/visit/ocean-explorers-summer-programs/">https://seymourcenter.ucsc.edu/visit/ocean-explorers-summer-programs/</a>
iD Tech Computer Camps	day camp and overnight camp	Ages 7 to 18	Create iPhone® and Android™ apps, programs with C++ and Java, video games, websites, movies, robots	UC Berkeley, St. Mary's, Stanford, San Francisco State	<a href="https://www.idtech.com/">https://www.idtech.com/</a>
Lawrence Hall of Science	summer day camps	Ages 4 - Grade 12	Some cover a little bit of everything (like Science Fun), while others cater to deep interests (like Ancient Egypt). Older kids can join us for research camps in marine biology or nanotechnology	Berkeley	<a href="http://www.lawrencehallofscience.org/visit/camps_and_classes">www.lawrencehallofscience.org/visit/camps_and_classes</a>
Chabot Space and Science Center	summer day camps	Grades 1-6	week-long summer science camps, plus space science and technology exhibits and the planetarium	Oakland hills	<a href="https://chabotspace.org/education/summer-camp/">https://chabotspace.org/education/summer-camp/</a>

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PowerHouse Science Center and Discovery's Challenger Learning Center	available by reservation for schools, scouts, birthday parties, groups	elementary through high school	Summer science camps; an interactive space mission simulator consisting of a realistic Mission Control and Spacecraft and mission objective.	Sacramento	<a href="http://powerhousesc.org/camps-classes/">http://powerhousesc.org/camps-classes/</a>
Oakland Zoo Summer Camps	summer day camps	various camps pre-k through high school	Grades 6-8. Wild Survivor: learn about and practice important survival skills like building a fire, finding food, collecting water, or making a shelter. Curious Cachers I: improve your navigation skills by using a handheld GPS navigation device and get an introduction to the treasure-hunting hobby known as "geocaching".	Oakland	<a href="https://www.oaklandzoo.org/zoocamp">https://www.oaklandzoo.org/zoocamp</a>
Girl Scout Camp	week-long overnight camps	Open to girls who are not Girl Scouts	Variety of programs	Bay Area	<a href="https://camp.gsnorcal.org/">https://camp.gsnorcal.org/</a>
Astro Camp	overnight camps	Girls and boys ages 8-17	Astronomy, space exploration, gravity and atmosphere experiments,	San Jacinto Mountains	<a href="https://astrocamp.org/camp-overview/">https://astrocamp.org/camp-overview/</a>
Catalina Sea Camp	overnight camps	Girls and boys ages 8-17	Marine biology, SCUBA, sailing, underwater photo, snorkeling, ocean kayaking	Catalina Island	<a href="https://catalinaseacamp.org/">https://catalinaseacamp.org/</a>
Berkeley Girls in Engineering	day camp	Girls 5th, 6th, 7th grade	Explore what it means to be an engineer in a fun, hands-on environment. Learn leadership skills such as goal setting and effective communication, and engage in activities that showcase different engineering disciplines. Design and create engineering projects.	UC Berkeley	<a href="http://girlsinengineering.berkeley.edu/">http://girlsinengineering.berkeley.edu/</a>
Camp Edmo	day camp	Girls and boys 6,7,8 grade	variety of STEM subjects	Oakland, Berkeley, Alameda	<a href="https://edmo.org/">https://edmo.org/</a>
Engineering Possibilities in College (EPIC)	week-long camps	7th to 12th graders	Three week-long camps at Cal Poly, to explore the world of engineering in hands-on labs that introduce you to the many different fields of engineering.	California Polytechnic Institute, San Luis Obispo	<a href="https://epic.calpoly.edu/">https://epic.calpoly.edu/</a>
<b>PLACES TO VISIT</b>					
California State Parks	activities	everyone	State parks offer classes and opportunities to learn about nature and the environment.	parks throughout California	<a href="http://www.parks.ca.gov/">www.parks.ca.gov/</a>
				list of programs	<a href="http://www.parks.ca.gov/pages/735/files/envedprograms_castate_parks.pdf">www.parks.ca.gov/pages/735/files/envedprograms_castate_parks.pdf</a>
Exploratorium	activities	everyone	Creative, thought-provoking exhibits, tools, programs, and experiences that ignite curiosity, encourage exploration, and lead to profound learning	Pier 15, San Francisco	<a href="https://www.exploratorium.edu/">https://www.exploratorium.edu/</a>

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The Tech Museum of Innovation	activities	everyone	Exhibits, films, activities, summer day camps	San Jose	<a href="http://www.thetech.org/">www.thetech.org/</a>
The Monterey Bay Aquarium	activities, sleepovers	everyone	Activities, shows, exhibits, tours on the wonderful Monterey Bay and its inhabitants	Monterey	<a href="http://www.montereybayaquarium.org/">www.montereybayaquarium.org/</a>
Chabot Space and Science Center	activities, sleepovers	everyone	Interactive space and science exhibitions, immersive digital-dome planetarium shows, and giant screen MegaDome shows	Oakland hills	<a href="https://chabotspace.org/">https://chabotspace.org/</a>
Lindsay Wildlife Museum	exhibits, classes, volunteer opportunities	everyone; guides ages 12-16; camp counselors ages 12-17	Live, non-releasable California wild animals including hawks, owls, eagles and other birds of prey, a fox, bobcat, opossum, coyote, snakes, toads, turtles. Volunteer to be an interpretive guide or a science camp counselor.	Walnut Creek	<a href="https://lindsaywildlife.org/">https://lindsaywildlife.org/</a>
Discovery's Challenger Learning Center	exhibits, experiences	everyone	Rotating exhibits, hands-on learning experiences in the Challenger Learning Center and Digging Up the Past archaeology programs, learn about the universe in the planetarium.	Sacramento	<a href="http://www.thediscovery.org/">www.thediscovery.org/</a>
Explorit Science Center	exhibits, experiences	everyone	Hands-on science discovery at family-friendly museum and nature site in Davis	Davis	<a href="http://www.explorit.org/">www.explorit.org/</a>
Kira Kira Academy	on-line education	everyone	On-line, learn CAD and other software to design to create a file that can be made with any 3-D printer.	On-line and San Francisco	<a href="https://www.kickstarter.com/projects/kirakira/kirakira-redesigning-the-way-girls-learn-engineeri">https://www.kickstarter.com/projects/kirakira/kirakira-redesigning-the-way-girls-learn-engineeri</a>
NASA Jet Propulsion Laboratory	on-line and open house	everyone	Share in the wonders of space through high-definition and 3-D videos, live demonstrations, interactions with scientists and engineers, homework help	Pasadena	<a href="https://www.jpl.nasa.gov/edu/learn/">https://www.jpl.nasa.gov/edu/learn/</a>
SCHOLARSHIPS/COMPETITIONS					
Association of Women in Mathematics Essay Contest	Deadline January 31	6th through college	Interview and write about a woman mathematician		<a href="https://awm-math.org/awards/student-essay-contest/">https://awm-math.org/awards/student-essay-contest/</a>
Young Scientist Challenge	Deadline in April	5th - 8th grade	Create a 1-2 minute video describing a new innovation or solution that could solve or impact an everyday problem related to how we live, how we work, or how we play.		<a href="https://youngscientistlab.com/">https://youngscientistlab.com/</a>
Angela Award	Due November 30	Girls grades 5th-8th	Honors one female student who is involved in or has a strong connection to science, \$1000 savings bond.		<a href="https://static.nsta.org/pdfs/awards/Angela.pdf">https://static.nsta.org/pdfs/awards/Angela.pdf</a>
ADDITIONAL RESOURCES					

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NAME	TYPE	ATTENDEES	DESCRIPTION	LOCATION	LINK
National Girls Collaborative	information for many programs	K-12	Many opportunities for girls in STEM listed here. The Collaborative brings together organizations across the U.S. committed to encouraging girls to pursue careers in STEM. The Directory contains program descriptions, resources available within each organization, and contact information.	website	<a href="http://www.ngcproject.org">www.ngcproject.org</a>
CanTeenGirl	career information	Girls 11-14	Descriptions of many careers, games	Carnegie Science Center, Pittsburgh	<a href="http://canteengirl.org/">http://canteengirl.org/</a>
NASA Programs	information and activities	Students 5th-8th grades	Design contests, career information, homework help, games.	website - click on Nasa Audiences	<a href="https://www.nasa.gov/stem/forstudents/5-8/index.html">https://www.nasa.gov/stem/forstudents/5-8/index.html</a>
NASA Programs	information and activities	Students 9th-12th grades	Design contests, career information, homework help, games.	website - click on Nasa Audiences	<a href="http://www.nasa.gov/stem/forstudents/9-12/index.html">www.nasa.gov/stem/forstudents/9-12/index.html</a>
NASA Jet Propulsion Laboratory	information and activities	Students of all ages	Learn how to do a science fair project, design a space mission game, space images, and more	website	<a href="http://www.jpl.nasa.gov/education/students/">www.jpl.nasa.gov/education/students/</a>
General Motors	information and activities	Students of all ages	Build a lemon battery, measure air quality, design a car, and more with these videos featuring STEM, vehicles, and engineering.	website	<a href="https://www.youtube.com/watch?v=jmqnRmN-cDk&amp;list=PL5UWrgmuniqIWKXCnIgtmMUvplRbKCHHi&amp;index=8">https://www.youtube.com/watch?v=jmqnRmN-cDk&amp;list=PL5UWrgmuniqIWKXCnIgtmMUvplRbKCHHi&amp;index=8</a>
United Airlines	information and activities	Kindergarten through grade 8	Explore aviation, aerodynamics, careers, and more with lesson kits.	website	<a href="https://www.united.com/en/us/newsroom/announcements/learning-on-the-fly-with-united">https://www.united.com/en/us/newsroom/announcements/learning-on-the-fly-with-united</a>
National Oceanic and Atmospheric Administration (NOAA)	activities	Students of all ages	Learn about atmospheric science, sea foam, plate tectonics and more	website	<a href="https://www.noaa.gov/education/resource-collections/special-topics/hands-on-science-activities">https://www.noaa.gov/education/resource-collections/special-topics/hands-on-science-activities</a>
How To Smile	resources, activities, discussions	Students 6-18	Math, oceanography, chemistry. Downloadable lesson plans, field trip projects, how-to videos, games, hands-on activities. Funded by the National Science Foundation.	website	<a href="http://www.howtosmile.org/">www.howtosmile.org/</a>
Society of Women Engineers	resources, activities, discussions	Students to age 18	Link up with an engineer, engineering activities, information on scholarships	website - click on programs	<a href="https://swe.org/">https://swe.org/</a>