

TTAG NEWSLETTER - MARCH 2025



TTAG ANNOUNCEMENTS

WANT TO BE A TECH TREK PEER COUNSELOR THIS SUMMER?

When: ASAP

Who: Tech Trek Alumnae - minimum age requirements are: 14 yo for Virtual Camp Coach - 16 yo or 3 years out of camp for Residential Peer Counselors - 18 yo for Lead Peer Counselors

Apply at Campdoc ASAP: : <http://app.campdoc.com/register/aauw>

Contact: rpcvalle.aauw@gmail.com or wendorfr@aol.com if you apply

CA-TTAC Slack Community is OPEN

Who: All Tech Trek Alumnae

How: To join, fill out this brief form: [Slack Interest Form!](#)

What: The Slack channel for all Tech Trek Alumnae from all over California is now open and will be accepting members. These resources will help high school and college students to connect, offer college guidance, advice and mentorship.

Questions? Contact: sonialee3068@gmail.com

WANT TO ASSIST in TECH TREK INTERVIEWS?

When: Saturday and/or Sunday, March 15 - 16, from 10-4 PM - 2 hr slots available

Who: TTAG and TTAG parents

Where: Junior League Headquarters - 2226A Fillmore St - San Francisco, CA 94115

What: to assist in interviewing 7th grade Tech Trek applicants and their parents, and assist with parents' questions.

Email ASAP by March 4 : wendorfr@aol.com

LOOKING FOR SPANISH SPEAKERS TRANSLATORS

When: Tech Trek Application season (Around March)

Who: Tech Trek Alumnae & TTAG parents

Where: at home at your leisure, maybe once during a zoom presentation

What: translate one page of Tech Trek related instructions or letters, or connect with Spanish speaking parents at the interviews (March 16 and 17) or outside of interviews

Contact: rpcvalle.aauw@gmail.com or roliwendorf@gmail.com

AAUW-SF sponsored Leadership Conference for TTAG members

Who: Tech Trek Alumnae currently attending college

When: May 30 - June 1st

What: The 2025 National Conference for College Women Student Leaders (NCCWSL) focusing on leadership skill building, professional and career development, training and networking!

Where: University of Maryland, College Park, Washington D.C. Metro Area (in person)

More Info: <https://www.aauw.org/resources/programs/nccwsl/attend/>

Cost: \$600 for conference, dorm room, and meals, plus air flight

Contact: rpcvalle.aauw@gmail.com please send a cover letter and resume to get sponsored by our San Francisco Branch by **March 20**

STEM SUMMER

Get your tan on this summer... or attend one of these UCSF / Berkeley STEM camps!

UCSF Science & Health Education Partnership - Teen Wellness Connection

- For rising juniors only in SFUSD, SF charter schools
- 9 month program fostering youth leadership and public health interest
- For students underrepresented in science

Link:

<https://bayareateenscience.us15.list-manage.com/track/click?u=f39fbb886aba711ba1ca77de4&id=7236de9bf1&e=a6307f64f0>

Deadline: Sunday, March 2nd, 2025

UCSF Science & Health Education Partnership, High School Intern Program

- For SFUSD or SF Charter School students only
- Learn to conduct biomedical research during 8-week paid internship

Link:

<https://bayareateenscience.us15.list-manage.com/track/click?u=f39fbb886aba711ba1ca77de4&id=6e1385dac2&e=a6307f64f0>

Deadline: Sunday, March 2nd, 2025

UCSF Science & Health Education Partnership, Cellular Construction Workshop

- For SFUSD or SF Charter School students only
- 10-day workshop with stipend

Link:

<https://bayareateenscience.us15.list-manage.com/track/click?u=f39fbb886aba711ba1ca77de4&id=e71465cd98&e=a6307f64f0>

Deadline: Sunday, March 2nd, 2025

ROAR Academy

The ROAR Academy is a rigorous two-week (10 days) in-person summer program, designed exclusively for high school students. In collaboration with the FHL Vive Center, an AR/VR research hub at UC Berkeley, the ROAR Academy aims to fuel your curiosity in science, technology, engineering, and mathematics (STEM). The highlight of the program? Students get to race their autonomous driving agents and compete in a simulation racing competition.

Link: <https://roar.berkeley.edu/roar-academy/>

Deadline : March 21, 2025 -> Early application deadline

Girls in Engineering Camp

UCB's Girls in Engineering Program is the College of Engineering's signature outreach program working to increase access to and diversity in engineering. GiE focuses on introducing middle school students to engineering and STEM fields during week-long summer camps. Camp is open to **rising 6th, 7th, and 8th graders**, of any gender identity, in the SF Bay Area.

Link: <https://girlsinengineering.berkeley.edu/>

Deadline: March 28, 2025 (or once 75 applications have been submitted)

UCSF Brain Camp

- For SF Bay Area high school students. Priority for sophomores and juniors.
- Must have completed one high school science class

Link:

<https://bayareateenscience.us15.list-manage.com/track/click?u=f39fbb886aba711ba1ca77de4&id=ea27839a34&e=a6307f64f0>

Deadline: March 30th, 2025

UCSF Cardiac Camp

- An unforgettable, hands-on learning experience designed for underrepresented minority high school students interested in medicine. Explore the world of cardiology, connect with mentors, and discover pathways to a future in healthcare.
- Cardiac Camp 2025 will run from July 28th - August 1st, 2025.
- Virtual info sessions will be held in March

Link:

<https://bayareateenscience.us15.list-manage.com/track/click?u=f39fbb886aba711ba1ca77de4&id=8e657d61dc&e=a6307f64f0>

Priority Deadline: Friday, March 14, 2025 (11:59 pm PT)

Regular Deadline: Friday, April 11th, 2025 (11:59 pm PT)

Camp BLDAP, QCaMP, and EinR

Interested in professional development, experimental research, quantum computing, and more? The Berkeley Lab K-12 STEM team has three highly developed programs -- BLDAP, QCaMP, and EinR -- prepared to equip you with skills and opportunities for a career in STEM and STEM-adjacent fields!

BLDAP : <https://k12education.lbl.gov/programs/high-school/BLDAP>

- **Deadline :** March 21, 2025

QCaMP : <https://quantumsystemsaccelerator.org/ecosystem/qcamp/>

- **Deadline :** April 14, 2025

EinR : <https://k12education.lbl.gov/programs/high-school/experiences-in-research>

***** NOTE: Applications have already closed for this camp, possibly consider next summer**

Girls Who Code's Summer Programs

You can choose to - >

Join the ultimate summer squad in the Summer Immersion Program (SIP)! Over two weeks, you'll design and build your own computer games, make new friends, and connect with mentors. Plus, get insider college and career tips from industry pros—all in live virtual classrooms!

OR

Learn at your own pace with Pathways! You'll explore cutting-edge tech like artificial intelligence, cybersecurity, and data science through step-by-step video tutorials and real-world projects. Connect with industry pros and join an exclusive Discord community along the way!

Link: <https://girlswhocode.com/programs/summer-immersion-program>

Deadline: April 11



North Bay Science Discovery Day

Who: All

What:

A science festival to spark children's wonder and curiosity for science, technology, engineering, and mathematics. Over 100 hands-on interactive exhibits in 5 buildings! Explore rockets and beehives, robots and bats, forests and hearts, animation, animals, art, and more. Talk to professional scientists and engineers.

Where: Santa Rosa, CA

When: Saturday, 8/25

Apply/More info here:

<https://bayareateenscience.us15.list-manage.com/track/click?u=f39fbb886aba711ba1ca77de4&id=446d7a5d39&e=a6307f64f0>

Cinema Arts: 'Universe in a Grain of Sand'

Who: All

What: Featuring a dazzling integration of artwork and experimental cinema—from Picasso to Hilma af Klint to Stan Brakhage—interwoven with scientists striving to understand the deepest mysteries of nature, this film from the award-winning director Mark Levinson (Particle Fever) celebrates the transcendent power of the imagination to make sense of the universe.

Where: Exploratorium, San Francisco

When: Saturday, 08/25 from 01:30 PM - 03:00 PM

Apply/more info here:

<https://www.exploratorium.edu/visit/calendar/cinema-arts-universe-grain-sand>

Artificial Art - AI vs Human Composers

Who: All

What: Artificial Art - AI vs Human Composers is an innovative production of the interdisciplinary Swiss music festival Interfinity that explores the fascinating interplay between human and artificial intelligence in music - set in an engaging and interactive game show format, this production invites the audience to become musical detectives, testing their ability to distinguish between compositions created by human minds and those generated by AI. The audience is playfully challenged to identify the origin of the presented works - with live performers bringing both AI and human-composed works to

life. The concert experience will be narrated and complemented by scientific interludes as well as visual arts, creating an immersive atmosphere.

Where: Swissnex - San Francisco (the Embarcadero)

When: Wednesday, 12/25 From 06:30 PM - 09:00 PM

Apply/more info here:

<https://swissnex.org/sanfrancisco/event/artificial-art-ai-vs-human-composers/>

Beavers - Livestream

Who: All

What: Beavers and their dams create wetlands, store and filter water, augment fish populations, raise the number of migratory and songbirds, and have a dramatic positive impact on biodiversity. Dr. Perryman will discuss how working to help people understand and coexist with this single species will continue to have a beneficial trickle-down impact on both humans and wildlife and improve resilience to ongoing climate changes.

Where: Zoom

When: Thursday, 13/25 from 07:00 PM - 09:00 PM

Apply/more info here: <https://marinaudubon.org/event/beavers/>

Total Lunar Eclipse

Who: All

What: Join Chabot astronomers for a live watch party of the magnificent Total Lunar Eclipse from Chabot's Observation Deck. Bring your friends & family and a lawn chair to enjoy Eclipse-themed crafts and demonstrations, then get bundled up with a cup of hot cocoa to watch this stunning celestial show. Between 11:26 pm to 12:31 am, the peak of the Eclipse, The Moon will become totally engulfed in Earth's dark umbral shadow, turning stunning shades of orange and red as the twilight glow of sunlight slips around the edges of Earth's atmosphere and shines onto the Moon's face.

Where: Oakland

When: Thursday, 13/25 from 09:00 PM - 01:30 AM

Apply/more info here: <https://chabotspace.org/calendar/total-lunar-eclipse-3/>

Pi (?) Day

Who: All

What: Join the 38th annual celebration of our own homegrown holiday! March 14 (3/14) commemorates the irrational, transcendent, and never-ending ratio that helps describe circles of all sizes. Explore math-inspired activities and presentations, then

join our pi parade and eat a free piece of pie. Come for the STEAM and stay for the slice!

Where: Exploratorium, San Francisco

When: Friday, 14/25 from 11:00 AM - 03:00 PM

Apply/more info here: <https://www.exploratorium.edu/visit/calendar/pi-p-day>

The Physics Show

Who: Families

What: The Physics Show is a fun science show for kids and their families.

When: March 29 / March 30 - Performances at 10:00, 1:00, and 3:30 each day.

Where: Los Altos Hills

Apply/more info here: <https://www.thephysicsshow.com/>

Watch the STEM Career Talks replay by Berkeley Lab

Who: Everyone

What: Learn about the wide range of STEM professions through Berkeley Lab staff and Bay Area professionals

Where: Virtual

When: Ongoing

Apply/More info here: <https://k12education.lbl.gov/programs/virtual/career-talks>

NASA Psyche Mission Innovation Toolkit

Who: High school and beyond

What: A free online course series based on the real-world science, engineering, technology, and teamwork behind the Psyche mission.

Where: Virtual

When: Ongoing

Apply/More info here: <https://psyche.asu.edu/get-involved/innovation-toolkit/>

STEM INTERNSHIPS & VOLUNTEER OPPORTUNITIES

CAREERS IN SCIENCE (CiS) INTERN PROGRAM

Who: Grades 9-12 (must apply in grade 9 or 10)

What: Careers in Science is a multi-year, year-round paid internship and youth development program for San Francisco youth who come from communities typically

underrepresented in science, technology, engineering, and math (STEM) fields.

Where: California Academy of Sciences

When: Afterschool and weekends (Multi-year, year-round participation)

Apply/More info here:

<https://www.calacademy.org/careers-in-science-cis-intern-program>

2025 NASA STEM Enhancement in Earth Science (SEES) Internship!

Application Deadline: Feb. 22, 2025

What: NASA and the University of Texas at Austin Center for Space Research have joined forces to encourage high school students' interest in STEM careers. The SEES project offers onsite internships at the University of Texas at Austin, and virtual projects in June and July 2025. Participants conduct authentic research with NASA subject matter experts while working with scientists and engineers in their chosen areas of study. Housing, transportation, and meals will be provided.

Contact: baquio@csr.utexas.edu

Link: <https://www.csr.utexas.edu/education-outreach/high-school-internships/sees/>

STEM SCHOLARSHIPS

PG&E Better Together STEM Scholarship

- Awards scholarships ranging from \$2,500 to \$10,000 to students pursuing STEM disciplines at universities in California. Applicants should have a strong academic record and demonstrate community involvement.

Eligibility

- Be a high school senior or graduate; an individual that has earned their GED; a current college undergraduate; or a non-traditional student.
- Reside in Pacific Gas and Electric Company's ("PG&E") service territory, or be a dependent of a resident in PG&E's service territory. See attached list of counties identified by PG&E.
- Plan to enroll in full-time undergraduate study at an accredited four (4) year college or university in California or a Historical Black College or University (HBCU) in the United States for the entire 2025-2026 academic year. The applicant must be pursuing their first undergraduate degree.
- Be pursuing a degree in one of the following STEM disciplines:
- Engineering (e.g. electrical, mechanical, industrial, environmental construction, power and/or energy)
- Computer Science/Information Systems
- Environmental and Biological Sciences

- Math, Statistics, and Physics

Apply : https://learnmore.scholarsapply.org/pge/?utm_source=chatgpt.com

Women at Microsoft Scholarship

- The Seattle Foundation invests in bettering the Pacific Northwest, but their Women at Microsoft Scholarship is offered to female or non-binary high school students across the U.S. Applicants must plan to enroll full-time in a tech, engineering, math, or computer science related undergraduate study at an accredited two- or four-year college, university, or vocational-technical school, in the United States, for the entire upcoming academic year.

Eligibility

- Minimum GPA of 3.0 on a 4.0 scale
- Enrolled as a high school senior
- Identify as a woman or non-binary person

Apply :

<https://app.goingmerry.com/scholarships/women-at-microsoft-scholarship/13189>

STEM READS



This month's topic: Americas Marine Sanctuaries

Author: Sylvia Earle / Henry Wolcott

Title: Wild Ocean

Description: Discover the best kept secrets of our natural heritage, the 12 national sanctuaries created to safeguard pristine marine environments, protect precious oceanic species and historic sites, and provide a dramatic, unforgettably magical realm beneath the waves.

Link:

<https://www.amazon.com/Wild-Ocean-Americas-Parks-Under/dp/0792274717?gQT=2>

IF YOU MISSED TTAG EVENTS...

If you missed the COLLEGE PREP for 10th Graders, or are interested in past COLLEGE PREP or FINANCIAL AID workshops, please contact us for the presentation, the recordings or both at: rpcvalle.aauw@gmail.com

CONTACT US

It's our goal to bring you workshops, camps, extra-curricular activities, internships, and other exciting opportunities in STEM. Please do not hesitate to contact us if you would like to share with your TTAG community any cool STEM Ed event taking place at your high school. Want to share info and opportunities or give us feedback?

Please contact us at:

✉ - elizabethgraceoshea@gmail.com (Elizabeth O'Shea)

✉ - sidneyhuang.18@gmail.com (Sidney Huang)