

# TTAG NEWSLETTER - APRIL 2025



## TTAG ANNOUNCEMENTS

**Chat with our Tech Trek Alumnae: demystifying the HS to college transition**

**Who:** TTAG

**What:** Do you want to know the truth about the highschool to college transition? Talk with Tech Trek Alumni in this panel and debunk the myths surrounding college and adult life in STEM!

**Where:** IN PERSON! - Portola Library -380 Bacon St - San Francisco, CA 94134

**When:** Sunday 04/27 from 1-3 PM

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 **Speak to Sonia - Inside info on the TTC Advisory Board and SLACK Channel** 

Sonia Lee is a former TTAG Student Board President

**Who:** TTAG

**What:** A presentation on the progress on the SLACK channel and TTAC-wide communication and the structure of the TTAC Advisory Board.

**Where:** <https://us02web.zoom.us/j/86425485359?pwd=PSPb2HCCIV0W3JdQLTG222eWajWtFq.1>

**When:** April 2nd - 7:30 pm

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### **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](mailto:rpcvalle.aauw@gmail.com) or [wendorfr@aol.com](mailto:wendorfr@aol.com) if you apply

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### **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](mailto:sonialee3068@gmail.com)

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### **AAUW-SF sponsored Leadership Conference for TTAG members**

**Who:** Tech Trek Alumnae **currently attending college**

**When:** **May 28 - May 30**

**What:** The 2025 National Conference for College Women Student Leaders (NCCWSL) focusing on leadership skill building, professional and career development, training and networking (organized in partnership with NASPA)

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

**More Info:** [Visit NASPA's website to register.](#) [Visit AAUW's website for the FAQ](#)

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

**Contact:** [rpcvalle.aauw@gmail.com](mailto:rpcvalle.aauw@gmail.com) please send a cover letter and resume to get sponsored for FREE by our San Francisco Branch by **April 5**

## **STEM FESTIVALS**

**First Friday: Art X Science**

**Who:** Family friendly

**What:** Discover the incredible fusion of creativity and discovery at First Friday: ART X SCIENCE! Bring your poetry & songs for a space & science-inspired open mic, craft cosmic zines using imagery from real space telescopes, explore a pop-up gallery of astronomical art, and take a glimpse behind the curtain with the filmmakers behind Dear Moon, a short film told from the perspective of Earth's closest galactic companion, the Moon.

**Where:** Chabot Space and Science Center - Oakland

**When:** Friday, 04/04/25

**Apply/more info here:** <https://chabotspace.org/calendar/first-friday-art-x-science/>

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### **TechFest**

**Who:** Family friendly

**What:** Save the date for CHM's all-day TechFest, a family-friendly celebration blending the wonders of science fiction and real-world tech. Experience hands-on activities, interactive demos, the Museum's latest exhibits, and more.

**Where:** Computer History Museum - Mountain View

**When:** Saturday, 04/05/25

**Apply/more info here:** <https://computerhistory.org/events/techfest-5/>

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### **Sunnyvale's Earth Day Festival: Empowering Our Community**

**Who:** Family friendly

**What:** Local non-profit organizations will be tabling along West Olive Ave. to share their expertise on environmental protection. Visit the community booths to learn about sustainable actions such as electrifying your home and starting a compost. Enjoy live entertainment at the amphitheater in the redwood grove with lunch served on reusable foodware.

**Where:** Sunnyvale

**When:** Saturday, 04/05/25

**Apply/more info here:** <https://sunnyvaleclimateaction.org/earth-day-festival-2025>

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### **Whalefest Monterey**

**Who:** Family friendly

**What:** Whalefest Monterey is a free, family-friendly festival that combines science, the arts and history. It is an event set around Monterey's Old Fisherman's Wharf and the adjacent Custom House Plaza, designed to be enjoyed by attendees of all ages. It features exhibits from dozens of local and national non-profit organizations related to marine science, sustainability of land and sea, and the environment. In addition,

Whalefest Monterey features a Symposium where world renowned scientists from local marine science research institutions share their latest research findings.

**Where:** Old Fisherman's Wharf - Monterey

**When:** Saturday, 04/12/25

**Apply/more info here:** <https://whalefest.org/>

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### **Tri-Valley Innovation Fair**

**Who:** Everyone

**What:** It's an exciting one-day event designed to bring people together in celebration of science, engineering, and technology.

**Where:** Alameda County Fairgrounds - Pleasanton, CA

**When:** Saturday, 04/12/25 (10am - 5pm)

**Apply/more info here:** <https://quest-science.org/tri-valley-innovation-fair-attend/>

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### **Climate Action Youth Summit 2025**

**Who:** Everyone

**What:** Celebrate youth-led climate action in San Francisco in honor of Earth Month! Join the San Francisco Environment (SFE) Department for a dynamic Youth Summit ahead of Climate Week. See how young leaders are tackling climate change, driving real solutions, and making a difference in our city.

**Where:** Yerba Buena Gardens - San Francisco

**When:** Friday, 04/18/25

**Apply/more info here:**

<https://www.sfenvironment.org/events/climate-action-youth-summit-2025>

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### **KIPAC + Friends Community Day**

**Who:** Family friendly

**What:** Join us for a fun-filled day of science! This event will take the form of a science festival, featuring numerous stations with live demonstrations, experiments, and hands-on activities. A series of mini science lectures will also run in parallel, introducing the latest discoveries in astronomy and other closely related STEM fields.

**Where:** Stanford University

**When:** Saturday, 04/19/25

**Apply/more info here:** <https://www.seti.org/event/kipac-friends-community-day>

STEM ACTIVITIES & EVENTS



## Noches Astronómicas

**Who:** Open to all **Spanish-speaking** individuals, with a special focus on middle and high school students and their families

**What:** Asteroids are often seen as threats to our planet, but what role do they play in helping us understand ourselves, and how can we protect against asteroid impacts? Join Noches Astronómicas on April 3 at Andrew Hill High School in San Jose to learn about planetary defense and hear the inspiring journeys of Stanford students and scientists in college and STEM!

**Where:** San Jose, CA

**When:** Thursday, 04/3/25

**Apply/more info here:** <https://kipac.stanford.edu/events/noches-astronomicas-3>

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## Native bee workshop

**Who:** All

**What:** Join instructor Kandis Gilmore to learn about the varied life cycles, ecological roles, and basic taxonomic groups of bees. We'll study indoors and explore outdoors at the Bouverie Preserve in Glen Ellen in this hands-on workshop and field trip.

**Where:** Glen Ellen

**When:** Saturday, 04/05/25

**Apply/more info here:**

<https://www.eventbrite.com/e/native-bee-workshop-with-kandis-gilmore-tickets-1233941505259>

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## 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)

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## 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:** Friday, 04/11/25

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### **Family Nature Adventures: Let's Chat About Scat - Tracking Animals of the Redwood Forest!**

**Who:** Everyone

**What:** Get the scoop on poop and uncover the wild secrets of our local fauna! Learn how to identify animals by their tracks, eating habits, and yes - scat! Dive into the fascinating clues these creatures leave behind. Take your new skills into the forest on a guided walk to uncover signs of wildlife and their habitats. Discover the secrets of the forest's inhabitants in this fun and educational adventure. Adventure awaits - don't miss out!

**Where:** Oakland

**When:** Saturday, 04/12/25

**Apply/more info here:**

<https://chabotspace.org/calendar/family-nature-adventures-lets-chat-about-scat/>

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### **Magnified**

**Who:** Everyone

**What:** Microscopes reveal amazing creatures, textures, and ecologies that are normally invisible. Join us for a celebration of seeing small through a variety of tools, from hand lenses to professional microscopes. Examine microorganisms that live in the water and soil, have fun with hands-on crafts and activities, and investigate everyday objects under a lens.

**Where:** Exploratorium - San Francisco

**When:** Saturday, 04/12/25

**Apply/more info here:** <https://www.exploratorium.edu/visit/calendar/magnified>

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### **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**

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### **Restoring the San Francisco Bay Estuary: Wetlands, Birds and More! - Livestream**

**Who:** Everyone

**What:** The San Francisco Bay is the largest estuary on the west coast of the United States, and is home to a wide range of birds, from rails to shorebirds, waders, and ducks. Over 90% of the tidal wetlands around the estuary have been lost, but there is now large-scale local support for protecting and restoring the estuary. We'll review efforts to restore San Francisco Bay wetlands, including challenges and opportunities associated with sea-level rise and climate change, and implications for local birds.

**Where:** Virtual

**When:** Thursday, 04/17/25

**Apply/more info here:**

[https://goldengatebirdalliance.org/speaker\\_series/restoring-the-san-francisco-bay-estuary-wetlands-birds-and-more/](https://goldengatebirdalliance.org/speaker_series/restoring-the-san-francisco-bay-estuary-wetlands-birds-and-more/)

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### **ATLAS Masterclass**

**Who:** High school students

**What:** Students will get the opportunity to experience firsthand what it means to be a particle physicist, learn data analysis techniques, and work collaboratively in a group to produce results.

**Where:** Berkeley Lab

**When:** Saturday, April 26th, 2025 (Deadline - April 4, 2025)

**Apply/more info here:** <https://imc.lbl.gov/>

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### **The Stanford Program for Inspiring the Next Generation of Women in Physics (SPINWIP)**

**Who:** High school students between 9th to 11th grade at the time of application

**What:** Are you a high-school student interested in exploring different topics in Physics? If so, this program is for you! The Stanford Program for Inspiring the Next Generation of Women in Physics (SPINWIP) is a summer learning program designed to get high-school girls excited about physics. This 3-week program is completely free



to participants and will be held through video chat.

**Where:** Virtual

**When:** July 7 to July 25, Monday through Friday (Deadline - May 1)

**Apply/more info here:** <https://physics.stanford.edu/about/inclusion/spinwip>

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### **The Physics in and Through Cosmology Workshop**

**Who:** The ideal student applicant will have completed Algebra, Geometry, Advanced Algebra, (or the equivalent) and Chemistry or upper division Physics. Underrepresented students in STEM (which include: African Americans, American Indians/Alaska Natives, Latinos, LGBTQ+, students from low income households, and first-generation college attendees) are strongly encouraged to apply.

**What:** This workshop is a wonderful experience for both students & teachers to learn from the scientists themselves about the latest theories & research describing the universe. Last year's program included talks on the ATLAS experiment, Higgs & Particle Physics, CMB, Dark Matter, Dark Energy, Neutrinos & Cosmic Rays, & Cosmology, Machine Learning, as well as a drop in visit from a Nobel Prize winner. The program will visit various labs and analyze data from particle research.

**Where:** Berkeley, CA

**When:** Monday June 16 - Friday June 20. Thursday, June 19 is a teacher's only day.

**Apply/more info here:** <https://sites.google.com/lbl.gov/quarknet-workshop/home>

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### **Introduction to Research camp**

**Who:** Kids from 6th grade up

**What:** A field camp that guides students sixth grade and older through the process of science in the natural world as they investigate a research topic in the field of ecology.

**Where:** Webber Lake

**When:** July 11th - July 13th

**Apply/more info here:**

<https://headwatersscienceinstitute.org/science-camp/introduction-to-research-camp/>

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### **Girls Summer Research Camp**

**Who:** Girls entering 7th-12th grade

**What:** A 4-day, 3-night research camp that offers an immersive scientific research experience for female students, where they work in an all-female cohort at Webber Lake, guided by professional female scientist mentors.

**Where:** Webber Lake

**When:** July 16th & 17th

**Apply/more info here:**

<https://headwatersscienceinstitute.org/science-camp/girls-summer-science-camp/>



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## Headwaters Research Experience

**Who:** Rising 8th graders and above

**What:**

The Headwaters Research Experience is an accessible way for students looking to take their science education to the next level and bolster a college resume, participants design and create an original research project while being mentored by a professional scientist

**Where:** Virtual

**When:** June 16th – week of August 11th

**Apply/more info**

**here:** <https://headwatersscienceinstitute.org/science-camp/headwaters-research-experience/>

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## 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>

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## 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/>

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## GuideX.Co

**What:** a (student-created) resource for high schoolers across the nation to find 500+ extra-curricular opportunities.

GuideX offers modules for students, employers/organizations, and educators:

- 1) High Schoolers and parents can search for opportunities
- 2) Employers/organizations can submit opportunities for high schoolers
- 3) Educators can use the tool to guide their students

Link: <https://guidex.co/>

## 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>

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### CORO YOUTH LEADERSHIP ACCELERATOR

**Who:** San Francisco high school students (currently in 9th–12th grade).

No prior leadership experience required—just curiosity and commitment!

**What:** a one-week summer experience designed to help you grow into the leader your community needs. Through hands-on workshops, real-world challenges, and mentorship from professionals, you'll build the skills and confidence to thrive in school, your future career, and beyond.

**Benefits:** you will gain critical leadership and communication skills; new friendships and a network of young changemakers; confidence to lead with purpose; insights into careers and civic engagement.

**When:** June 23-27, 2025

**Where:** in person TBD

**Apply:** [tinyurl.com/CoroYouthLead](https://tinyurl.com/CoroYouthLead) by April 25, 2025 (applications reviewed on an ongoing basis)

**Cost:** \$900 (Full and partial scholarships available)

## 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](https://learnmore.scholarsapply.org/pge/?utm_source=chatgpt.com)

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### **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**

MASQUERADE

**This month's topic:** Puzzles

**Author:** Kit Williams

**Title:** Masquerade

**Description:** Masquerade is a picture book, written and illustrated by Kit Williams and published in August 1979, that sparked a treasure hunt by including concealed clues to the location of a jewelled golden hare that had been created and hidden somewhere in Britain by Williams.

**Link:** <https://www.amazon.com/MASQUERADE-Kit-Williams/dp/080523747X>

### IF YOU MISSED TTAG EVENTS...

If you missed an online event 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](mailto: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:

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