

TTAG NEWSLETTER - JUNE 2025



TTAG ANNOUNCEMENTS



TTAG Beach Clean-Up

[illegible]

★ STUDENT BOARD SIGN UP!! ★

- President
- Vice President
- Communication Coordinators
- Events Coordinators

Find more info on these positions here:

https://docs.google.com/document/d/1MyKUfuf5vpZBXsoaajL01vKmVC-EGK_nXoT_XQ-cJ5A/edit?tab=t.0#heading=h.vnb8n7wbdd3w

When: ASAP!! (Deadline July 15) Accepting on rolling basis

Link: <https://forms.gle/RicTv6aCaHiVUNtt8>

CA-TTAC Slack Community is OPEN + Listen to Sonia Lee's Presentation

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

Presentation

link: https://us02web.zoom.us/rec/share/fny83J5diJZAWd9VUIXXJCBZ6WI5w55YxoCaX_nG06xGekhSC31VZtdM53wgTgTf.ZBTkCQYJK_4gPVKs

Blurb:

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

STEM ACTIVITIES & EVENTS



Summer Jobs, Programs & Opportunities for Youth Ages 14-24

Looking for a job this summer? Or maybe wanting more opportunities for youth? Look no further, this useful link compiles tons of programs for ages 14-24. Check out the link below.

Link: <https://www.sf.gov/summer-programs-for-youth>.

First Saturday: Free Tour of the Santa Cruz Arboretum

Who: Everyone

What: Around the World in 60-90 Minutes! On the first Saturday of each month, the

Arboretum offers a docent or staff-led tour of the Arboretum. Sometimes you will see New Zealand, South Africa, California, and Australia. Sometimes you might see combinations of several gardens or the developing World Conifer Collection or Rare Fruit Garden. Tour length varies depending on what's in bloom and what the participants request.

Where: Santa Cruz

When: June 7

Apply/more info here:

<https://arboretum.ucsc.edu/eventscalendar/events/recurring-events/first-saturday-tour.htm>

STEM Summer Camps

Who: 6th - 12th graders

What: Applications are now open for Kids Teach Tech's 5th Annual FREE STEM Summer Camps at UC Berkeley's College of Engineering! These camps are a great opportunity for students to gain real-world skills in Python, Data Science, and now Advanced AI—all taught by trained Kids Teach Tech youth instructors and students from UC Berkeley Engineering.

Where: Berkeley

When: See below

Apply/More info here:

[Camp 1: Python, Data Science & AI \(June 16–20\)](#)

[Camp 2: Advanced AI \(June 23–27 – must complete Camp 1 first\)](#)

Moon Mascot: NASA Artemis II ZGI Design Challenge

Who: Everyone

What: Calling all designers! This is your opportunity to design the zero gravity indicator that will fly around the Moon during NASA's Artemis II mission. This small plush object will travel inside the Orion capsule with the Artemis II astronauts to indicate when the spacecraft reaches microgravity.

Where: At home

When: Deadline is June 16, 2025 @ 2 PM PT

Apply/More info here:

<https://www.freelancer.com/contest/Moon-Mascot-NASA-Artemis-II-ZGI-Design-Challenge-2527909/details>

BubbleFest

Who: Everyone

What: Get ready to be blown away at Bubblefest! Step into a world of wobbly wonders and popping surprises as bubble experts showcase the coolest tricks and mind-blowing science behind bubbles. From rainbow-colored bubbles to bubble art masterpieces, find something awe-inspiring for everyone! Dive into the action with hands-on bubble experiments, watch bubbles dance with dry ice, and experience the thrill of being inside a giant bubble! And did you know bubbles hold secrets about stars and outer space?

Where: Oakland

When: June 21, 2025

Apply/More info here: <https://chabotspace.org/calendar/bubblefest-2025-sat/>

The Knowledge Society: An Accelerator Program

Who: High school students between the ages of 13-17

What: The Knowledge Society (TKS) is the world's top innovation program for ambitious students ages 13–17 who want to explore emerging tech and sciences, build real-world projects, and join a global community of young people making an impact.

Where: San Francisco

When: September 2025 - June 2026

Apply/More info here:

https://www.tks.world/program/san-francisco?utm_medium=partners&utm_source=yourorganization&utm_campaign=2526_applications&utm_content=bats

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>

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/>

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/>

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/>

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/>

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/>

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>

TTAG NEWS

Tech Trek Send Off Party & TTAG SCHOLARSHIP AWARD CEREMONY



TTAGers Caitlin, Coco, Katherine, and Nora engaged with the selected Tech Trek campers at the Send Off Party on Saturday May 17. Campers not only got tips and lessons learned in preparation of camp, but also got glimpses of what TTAG is. The event was the time and place for the TTAG Scholarship Award ceremony which this year recognized Caitlin Lien, TTAG Student Board President and Sonia Lee, last year's Student Board Co-President, who is pursuing an electrical engineering major at UC Davis.



STEM READS

Pierre the Maze Detective: The Search for the Stolen Maze Stone

This month's topic: Puzzles

Author(s): IC4DESIGN & Hiro Kamigaki

Description: This beautifully illustrated book features 15 full-spread illustrations of intricate, magical mazes. Take a trip through a fantastic world of underground cities, hot-air balloons, tree-top towns and haunted houses.

Link:

https://www.amazon.com/Pierre-Maze-Detective-Search-Stolen/dp/1780675631/ref=sr_1_1?crid=2TBLU9VXPY8V0&dib=eyJ2IjojMSJ9.MFm_-9ZBNo1X9VKteRH7LG4CFB EWgioxY-O1aWQHxU1dUfmqQpaHVZt3C6m4O7QTDARnKzTITSGTRe9GQr_7KaV4_KRjpE9m0r--ZJ9NsFAlcgs1fzigy1UiZtK_cWAw3K-H9ytCM6hDuOwXE85Epl63jNZuEEmlaA3bJURlyJyZS41J84_-ocleQivtzQn-8HkC7ROeLj53jWb0Cpl6dMXDyNXUCCL YkdLZPsf30w.aDjxtETorTX_DdMJigaBHkCB2wm5Bw5ljgV67ExW4raE&dib_tag=se&keywords=pierre+the+maze+detective&qid=1748577960&srefix=pierre+the+%2Caps%2C605&sr=8-1

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

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)