

TTAG NEWSLETTER - DECEMBER 2024



TTAG ANNOUNCEMENTS

BEHIND THE SCENE EXPLORATORIUM VISIT & MEET the HEALDSBURG TTAG

When: Sunday, January 12 - from 1 to 5 PM

Who: TTAG (8th to 12th grade)

Where: in person - at the Exploratorium - Pier 15 - Embarcadero, San Francisco

What: Meet another TTAG A visit tailored to our TTAG members featuring hands-on activities and presentations by Exploratorium volunteers - 3 hours (FREE)

Registration: Reserve your spot - first come first served - ONLY 15 spots available

<https://docs.google.com/document/d/1oaS9PbsagZDAAtilOloqpHW37MM6XrGMQbRF89dSZxc/edit?tab=t.0>

Contact: rpcvalle.aauw@gmail.com

**BEHIND THE
SCENE
EXPLORATORIUM
VISIT**

*& MEET the
HEALDSBURG TTAG*

**JAN
12**

**SUN
1-5
PM**

**WHO: TTAG
(8TH TO
12TH
GRADE)**



***MEET ANOTHER TTAG +
A VISIT TAILORED TO OUR
TTAG MEMBERS!***

***FEATURING HANDS-ON
ACTIVITIES &
PRESENTATIONS BY
EXPLORATORIUM
VOLUNTEERS
- 3 HOURS (FREE)***

IN PERSON -

**♀ AT THE
EXPLORATORIUM-**

**PIER 15 -
EMBARCADERO,
SAN FRANCISCO**

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

What: Do not wait until the application time to express your interest in becoming a Tech Trek peer counselor this summer! Email a Camp Director right now!

Contact: rpcvalle.aauw@gmail.com to get connected

SAVE THE DATE: A Parent Panel for TECH TREK & TTAG Parents

When: Thursday, January 16, 6:30 PM

Who: Tech Trek & TTAG parents

Where: online (link for registration coming soon)

What: Around Teen education and well-being - Guest Speaker: Laura E. Guzman, Greater Good Science Institute, UC Berkeley

Contact: rpcvalle.aauw@gmail.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

2025-2026 TTAG SCHOLARSHIP

About the TTAG Scholarship

Established in the Spring of 2021, and in furtherance of the TTAG goal of enabling Tech Trek Alumnae to pursue their interest in STEM, the TTAG Scholarship offers Tech Trek Alumnae who are members of the AAUW-SF TTAG up to \$16,000 over 4 years to support their college related expenses as they attend college.

Eligibility & General Rules

- Applicant must be a graduating High School Senior (at a public, private, or charter high school) and must be an active member of AAUW-SF TTAG. TTAG members currently enrolled in college and meeting other eligibility criteria may apply.

- Scholarship amount is \$4,000/year and will be disbursed directly to the Applicant upon proof of college enrollment as a full-time student at an accredited 2-year or 4-year college or institution (local, statewide or nationwide).
- Scholarship shall be exclusively used for education and college-related expenses (tuition, laptop, books, school supplies, software, etc.). The TTAG Scholarship Committee reserves the right to request proof of expenses.
- Scholarship is renewable for up to 3 years upon demonstration of successful academic progress (GPA, grades, class completion, etc.), official transcript and **dependent on availability of scholarship funds.**

How to Apply as a high school senior

1. Please fill in the [Application Form](#)
2. Upload the following pdf documents in section 7 of the Application Form:
 - A 250- to 750-word essay: you can use your Common App essay or create your own. If you use your own, make sure to provide an essay that would inform the TTAG Scholarship Committee of who you are, where you want to go, and why.
 - A document with the answer (250 word max.) to 2 of the following Questions:
 - Question 1: How have you contributed to TTAG as a member?
 - Question 2: What did you do during your last school break?
 - Question 3: How have you contributed to improving, supporting, or spreading the word on issues related to equity, diversity and inclusion ?
 - You are welcome to include a copy of your Common App, UC or CSU Application, or Application to your preferred college (optional)
 - Your resume or equivalent (list of activities, LinkedIn, website, etc.) if you choose not to attach your Common App
3. Alternatively, the pdf documents can be separately emailed to aaufsbranch@gmail.com using "TTAG Scholarship Application" in the subject line.
4. All documents should be received by February 17, 2025 - 11:59 PM PST to be considered

How to Apply or Renew as a college student

1. Please fill in the [Application Form](#)
2. Upload the following pdf documents in section 7 of the Application Form:
 - A 250- to 750-word essay that would inform the TTAG Scholarship Committee of who you are at this point of your college experience, where you want to go, and why.
 - A document with the answer (250 word max.) to 2 of the following Questions:
 - Question 1: How have you contributed this past year as a Tech Trek Alumna on campus?
 - Question 2: What did you do this past summer to advance at a personal, academic, and/or professional level?
 - Question 3: How have you contributed to improving, supporting, or spreading the word on issues related to equity, diversity and inclusion ?
 - Your resume or equivalent (list of activities, LinkedIn, website, etc.)

- Copy of your current transcript (or equivalent document) as proof of academic progress and achievement
3. Alternatively, email the pdf documents to aauwsfbranch@gmail.com using "TTAG Scholarship Application" in the subject line
 4. All documents should be received by February 17, 2025 - 11:59 PM PST to be considered

Timeline

Application Due Date: February 17, 2025 - 11:59 PM PST

Application Review: February 18 - April 15, 2025

Selection Notification: April 15, 2025

Release of Funds: by June 30th, 2025

Questions

Please email your questions to: aauwsfbranch@gmail.com using TTAG Scholarship in the subject line

STEM ACTIVITIES & EVENTS

Academy Naturalist Teen (ANT) Volunteers

Who: Teens age 15-17

What: Reporting to Academy Volunteer Programs, Academy Naturalist Teen (ANT) volunteers will support the California Academy of Sciences through informal and interactive engagements with guests of all ages, particularly young children. Volunteers will be trained to facilitate a variety of activities including nature play, inquiry based-learning, and STEAM activities.

Where: San Francisco

When: February - May 2025 *DEADLINE DEC 31*

Cost: Free!

Apply/More info here: More information-

<https://drive.google.com/file/d/18k4ndQ2oj5NzTfHB8Ty1P89xXntRKwBm/view>

Link to apply-

https://docs.google.com/forms/d/e/1FAIpQLSdfoXgeMe0a2ka9DycGgl_mC1m9mYBMVI1UIF6ep_ed814I8g/viewform

City Public Star Party

Who: All

What: Join the San Francisco Amateur Astronomers for free public stargazing of the Moon, planets, globular clusters and more!

Where: Tunnel Tops National Park - East Meadow

When: Saturday 12/7 from 6 - 9 PM

Apply/More info here: <https://www.sfaa-astronomy.org/event-5619405>

An Exploration of the Milky Way: Our Cosmic Home

Who: Everyone

What: In this talk, Dr. Keith Hawkins will take us on a journey through our own galaxy and explore how we can use state-of-the-art data from large-scale missions, visualized in the planetarium, to chart the Milky Way's structure and assembly over the last 10 billion years.

Where: Morrison Planetarium- San Francisco Academy of Science

When: Monday 12/02 from 7:30-9:00 PM

Apply/More info here:

<https://www.calacademy.org/events/benjamin-dean-astronomy-lectures/an-exploration-of-the-milky-way-our-cosmic-home>

Mycological Society of San Francisco 52nd Annual Fungus Fair

Who: All ages / Family friendly

What: Hands-on mushroom activities for all ages; workshops, speakers, displays (hundreds of species), educational area, crafts, mushroom growing kits, recipes and more.

Where: South San Francisco - El Camino High School

When: Sunday 12/08 from 10am - 5pm

Apply/More info here: <https://www.mssf.org/fungus-fairs/>

Sign up as a volunteer - https://mssf.ivolunteer.com/ff_052

Breathless: Catie and the Robot

Who: Everyone

What: This captivating duet created by dancer/choreographer/engineer Catie Cuan and artist/researcher Ken Goldberg pairs Cuan with an industrial robot arm for a dance performance that shows appreciation for the work performed by humans every day, and contrasts the beauty, strength, and frailty of the human body with the relentless precision of machinery.

Where: San Francisco - Exploratorium

When: Thursday 12/12 from 7:30 - 9:00 pm

Apply/More info:

[here:https://www.exploratorium.edu/visit/calendar/breathless-catie-and-robot](https://www.exploratorium.edu/visit/calendar/breathless-catie-and-robot)

King Tides: A Royal Tide Watch Along the Embarcadero

Who: Everyone

What: Join the Exploratorium and Port of San Francisco staff along the Embarcadero to observe, photograph, and discuss “Royal” Tides. These exceptionally high tides are often described as “King Tides,” and will be “normal” tides of the future due to sea level rise.

Where: Pier 3 and Pier 5 on the Bay side of San Francisco's Embarcadero

When: Sunday 12/15 from 10-11 am

Apply/More info:

<https://www.exploratorium.edu/visit/calendar/king-tides-royal-tide-watch-along-embarcadero>

Family Astronomy: Winter Solstice - The Longest Night

Who: Families with children 6+

What: Explore the fascinating history, diverse cultural customs, and ancient rituals associated with the Winter Solstice. You'll learn about the shortest day of the year, the various types and stages of night and twilight and how different cultures around the world celebrate this celestial event, from lighting candles and bonfires to creating handmade decorations and sharing stories. Guests will receive complimentary hot cider, hot chocolate, and cookies.

Where: Oakland

When: Saturday 12/21 from 6-8 pm

Apply/More info:

<https://chabotspace.org/calendar/family-astronomy-winter-solstice-the-longest-night-2/>

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>

ACADEMY NATURALIST TEEN (ANT) VOLUNTEER

Who: Participants must be between the ages of 15-17

What: Are you a teen who is interested in inspiring others to explore the natural world? Volunteer with us and help Academy guests of all ages learn, tinker, and investigate, while gaining skills in public speaking and informal science engagement.

Where: California Academy of Sciences

When: We offer spring and fall sections, ANTs are expected to consistently attend a 10:30 AM - 2:00 PM shift every other Saturday

Apply/More info here: <https://www.calacademy.org/volunteering-at-the-academy>

PAID NEAR PEER MENTOR OPPORTUNITY

Who: Girls 15+

What: Help engage elementary-age girls and support Teachers and Assistants in hands-on STEM activities.

Where: Varies

When: Varies

Apply/More info here:

https://docs.google.com/forms/d/e/1FAIpQLSdHLSQh_kXQafmLc12dddKOUtSeEul7ks_oxK3EYti77RNvMnw/viewform

VOLUNTEER OPPORTUNITIES BY SANTA CLARA COUNTY PARKS

Who: Age requirements vary

What: Volunteer Opportunities in Fall 2024

Where: Varies

When: Varies

Apply/More info here:

https://scc.samaritan.com/custom/502/opp_search?sortByAttribute=date&sortPredicate=publishDateUtc&sortRecordType=slot&sortReverse=true&view=calendar

WHAT YOUR TTAG BOARD HAS TO SAY ABOUT OCTOBER-2024 COLLEGE PREP WORKSHOP

Opinion from Callista Leung, Event Coordinator:

The college prep workshop for sophomores was extremely beneficial for me. I learned so much from identifying specific extracurriculars to focus on, to when and how I can take the SAT! Throughout the workshop, I found out so much more new knowledge, and helped me especially as it was targeted toward tenth graders. As a tenth grader in school, I would not have found out this information. This enlightened me, as I learned, the variety of categories of extracurriculars, the different types of colleges, and it also gave me an understanding of when to apply to colleges during my senior year. Overall, this gave me a new profound confidence when thinking about college, and the applying process for it.

STEM SCHOLARSHIPS

Applications are now open for the annual Cards Against Humanity [Science Ambassador Scholarship](#). This year, we're offering five \$20,000 undergraduate tuition scholarships to women and non-binary students in science, technology, engineering or math. Applications close December 16, 2024.

STEM READS

This month's topic: Biology

Writer: Ernst Haeckel

Title: Art Forms in Nature

Description: Kunstformen der Natur, known in English as Art Forms in Nature by Ernst Haeckel, consists of 100 masterfully executed prints of microorganisms, animals, insects and more. This body of work has since become widely acclaimed for its beauty and biological accuracy.

Link: <https://www.amazon.com/Art-Forms-Nature-Prints-Haeckel/dp/3791319906>

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)