

TTAG NEWSLETTER - JANUARY 2025



HAPPY NEW YEAR

TTAG ANNOUNCEMENTS

***BEHIND THE SCENE EXPLORATORIUM VISIT & MEET the HEALDSBURG TTAG*
HURRY: GRAB THE LAST SPOTS!**

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

Who: TTAG (8th to 12th grade)

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

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

Registration: Reserve your spot [HERE](#) - first come first served - **ONLY 15 spots available**

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**

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



EMPOWERING PARENTS:

TIPS FROM PSYCHOLOGICAL
RESEARCH FOR SUPPORTING YOUR
ADOLESCENT'S WELL-BEING!



SCAN QR CODE TO
JOIN!

LAURA GUZMAN, PH.D.
GREATER GOOD SCIENCE CENTER
UNIVERSITY OF CALIFORNIA,
BERKELEY

THURSDAY
JANUARY 16, 2025
AT 6:30 PM PST

When: Thursday, January 16, 6:30 PM

Who: Tech Trek & TTAG parents

Where: via zoom

Register at:

https://us02web.zoom.us/meeting/register/tZUdeugrDguHNC_xGZZRDkGILRNz5P6zJge

What: “Empowering Parents: Tips from Psychological Research for Supporting Your Adolescent’s Well-being” - Guest Speaker: Laura E. Guzman, PhD, Greater Good Science Institute, UC Berkeley

Contact: rpcvalle.aauw@gmail.com

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

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 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

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



Engineering 2025 Writing Contest: Innovating Smarter



Who: All grades 3-12

What: Looking for something to do over winter break? Check out this engineering writing contest, open to all students in grades 3-12. The 2025 EngineerGirl Writing Contest invites students to write a piece describing a common object you would make "smart." Cash prizes to top winners.

Deadline: February 1, 2025

Apply/More info here:

<https://www.engineergirl.org/154382/2025-Writing-Contest-Innovating-Smarter>

GWC Challenge 2024-25: AI + Sustainability



Who: Ages 13-18

What: To make big changes, we need big ideas. Girls Who Code Challenges are an opportunity for you to think big about a global issue, then prototype a solution for your community. How will you use tech for social good to build a project for this year's theme?

Deadline: February 12, 2025

Apply/More info here: <https://girlswhocode.com/programs/gwc-challenges>

January Stewardship Saturday Event: Eyeing Elephant Seals

Who: High School Students

What: Join Año Nuevo State Park and The Marine Mammal Center as they explore a natural breeding ground for one of the Center's most common patients – elephant seals! Through this event you will learn more about these amazing creatures, how both organizations work to care for them in their natural environment and at the Center's hospital, and better understand the role they play in our ocean ecosystem. They hope by the end of this event you will have a stronger understanding and appreciation of elephant seals, and will have some goals for next steps to take on your conservation journey. The Center signs community service hours for youth if needed!

Please make sure to register before the event! If the event is full, you're encouraged to sign up for the waitlist as spaces may become available!

Where: Pescadero, CA

When: January 25, 2025

Apply/More info here:

<https://www.marinemammalcenter.org/>

Apply here–

<https://www.eventbrite.com/e/stewardship-saturday-eyeing-elephant-seals-registration-1092548344509?aff=schools>

The Lawrence Hall of Science Weekend Teen Research Programs

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>

Saturday Cinema: The Art + Science of Luminous Films

Who: All

What: Celebrate the Exploratorium's winter exhibition Glow with a program of radiant animation and short documentaries, both meditative and kinetic.

Where: Pier 15 - Exploratorium (SF)

When: Jan 4, Jan 11, Jan 18, Jan 25. All from 1-4pm

Apply/More info here:

<https://www.exploratorium.edu/visit/calendar/saturday-cinema-art-science-luminous-films>

The Natural History of Yerba Buena Island

Who: Everyone

What: This program will focus on the restoration of the island's native plants.

Where: Treasure Island Museum

When: Jan 11 10:30-11:30am

Apply/More info here:

<https://www.eventbrite.com/e/the-restoration-of-yerba-buena-island-weaving-ecology-with-place-tickets-1096583453629>

Salamander Search at Sanborn

Who: Ages 4-12

What: Sanborn is famous for its amphibians; you just need to do some extra searching to find them! Join us for a fun day of looking under rocks, logs, and other unique hiding spots that Sanborn's Salamanders call home!

Where: Sanborn Science and Nature Center-Saratoga

When: Jan 25 10:30 am - 12 pm

Apply/More info here: <https://www.ysi-ca.org/science-safaris>

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

CORO-Exploring Youth Leadership Program

Who: High School Students

What: Exploring Leadership (EL) is a transformative summer program that trains high school students to become active citizens and assume leadership roles in their communities. Through a set of Coro modules, the program increases Youth Fellows' abilities in critical thinking and goal setting, ultimately giving them the skills to become effective facilitators and collaborators for community change.

Where: San Francisco

When: June 23rd – July 31st, 2025; Monday – Friday, 10:00 AM – 4:00 PM

Application deadline: January 17, 2025

Apply/More info here: <https://coronorcal.org/program/exploring-leadership/>

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: February - May 2025

Deadline: December 31

Apply/More info here:<https://www.calacademy.org/volunteering-at-the-academy>
<https://drive.google.com/file/d/18k4ndQ2oj5NzTfHB8Ty1P89xXntRKwBm/view>

Link to apply-

https://docs.google.com/forms/d/e/1FAIpQLSdfoXgeMe0a2ka9DycGgl_mC1m9mYBMVI1UIF6ep_ed814l8g/viewform

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: Richmond and Oakland

When: Starts January

Apply/More info here:

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

Community Engagement for a Clean & Justice-Oriented Energy Transition

Who: High school students (+ college students)

What: Environmental Justice Solutions, a Bay Area-based consulting firm working on a pioneering clean energy project in collaboration with the City of Albany, is recruiting interns for 2025!

Where: Albany, CA

When: February - August, 2025

Deadline: January 15, 2025

Apply/More info here:

<https://environmentaljusticesolutions.com/internship-opportunities/>

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: Puzzles

Writer: Fabrice Mazza, Sylvain Lhullier, Ivan Sigg

Title: Book of Puzzles and Enigmas

Description: Fun for the whole family, The Book of Puzzles & Enigmas contains more than 100 superb puzzles that are guaranteed to get your brain spinning and your mind whirring.

Link:

<https://www.amazon.com/Book-Puzzles-Enigmas-Fabrice-Mazza/dp/0785834540>

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)