

The background features a vibrant green color palette with various shades and geometric shapes. Large, white, 3D-style numbers are scattered across the scene, some appearing to float or be part of a grid. The overall aesthetic is clean, modern, and tech-oriented.

Tech Trek Robotics Camp

June and July 2021

Sponsored by AAUW & Qualcomm

Do you want to get involved with Tech Trek this year?

- ▶ In 2021, there will be *three* virtual Tech Trek camps - one in June and two in July. The dates are: **June 21 - 25, July 12 - 16, and July 26 - 30, 2021**
- ▶ We need volunteers to help conduct the camps.
- ▶ Volunteers during the camp will all be online.
- ▶ Prior to camp, volunteers will be needed to pick up and deliver camp kits to the girls.
- ▶ You can volunteer for one camp session or for more than one session.

Camp Schedule 2021

Schedule: AAUW California 2021 Virtual Tech Trek Program*				
Monday	Tuesday	Wednesday	Thursday	Friday
8:30-9 Staff Meeting	8:30-9 Staff Meeting	8:30-9 Staff Meeting	8:30-9 Staff Meeting	8:30-9 Staff Meeting
9-12 Daily Welcome Message Core Class: Robotics Break Out Rooms	9-12 Daily Welcome Message Core Class: Robotics Break Out Rooms	9-12 Daily Welcome Message Core Class: Robotics Break Out Rooms	9-12 Daily Welcome Message Core Class: Robotics Break Out Rooms	9-12 Daily Welcome Message Complete Camper Projects Break Out Rooms
Lunch Break 12-12:30	Lunch Break 12-12:30	Lunch Break 12-12:30	Lunch Break 12-12:30	Lunch Break 12-12:30
12:30-5:15 Inspiration Hour Workshop 1: Required 90 min Break Workshop 2: Optional 90 min Survey End of Day Message	12:30-5:15 Inspiration Hour Workshop 1: Required 90 min Break Workshop 2: Optional 90 min Survey End of Day Message	12:30-5:15 Inspiration Hour Workshop 1: Required 90 min Break Workshop 2: Optional 90 min Survey End of Day Message	12:30-5:15 Inspiration Hour Workshop 1: Required 90 min Break Workshop 2: Optional 90 min Survey End of Day Message	1:00-TBD Welcome Message Camper Showcase: Project Presentations Branch and families can join Closing Message
5:30-6 Staff Meeting	5:30-6 Staff Meeting	5:30-6 Staff Meeting	5:30-6 Staff Meeting	5:30-6 Staff Debrief
Evening: 7-8:30 TBD Optional	Evening: 7-8:30 International Night: SmartPhone Project - Optional	Evening: 7-8:30 Social Zoom Event - Optional	Evening: 7-8:30 Parent event Optional	

*Camper Orientation sessions will be held the week before camp to confirm technology set up and perform introductions between girls and coaches.

Needed:

Build Coaches and Social Coaches

- ▶ **Near-peer** (close in age) and **adult [virtual coaches](#)**.
- ▶ We estimate for every three virtual campers, we will need one coach to ensure engagement.
- ▶ **Build Coaches** - focus on guiding technology learning during the core course and should be familiar with or open to learning simple wiring and coding.
- ▶ **Social coaches** - focus on administrative tracking and social learning during both the core course and afternoon or evening workshops.
- ▶ Training will be provided for all roles.
- ▶ For the morning core course, campers will be broken into groups of 4-6, with one near-peer and one adult virtual coach assigned to each group (one each Build and Social coach). They will coach the same core group all week and it is preferred that core course coaches participate for the whole week.
- ▶ For the afternoon or evening workshops, one social coach will guide 4-6 girls in breakouts following workshop introduction by presenter. Coaches will be exposed to different groups of girls during these sessions and can participate in few or all afternoon/evening sessions as desired.

Position Description: Virtual Camp Coach

Position Description: VIRTUAL CAMP COACH

The Virtual Camp Coach provides the social and/or technical foundation the campers need while on their Tech Trek virtual adventure, helping them negotiate their journey while also helping AAUW achieve the camp's objectives of increasing campers' interest in studies and careers in STEM fields, all with respect and concern.

Qualifications:

1. AAUW member or past Tech Trek camper or Counselor
 - a. Must be at least two years after attending camp.
2. Enjoy working with 12-13-year-olds; friendly and willing to share personal stories.
3. Exhibit positive attitude and flexibility.
 4. Ability to exercise good judgment, emphasize safety, and exhibit exemplary behavior as a role model.
5. Time to devote to virtual training in the 2-3 weeks prior to camp (4-6 hours average).
 6. Must be able to participate virtually for the duration of the camp
 - a. Build Coach – 8:30-12 plus daily debrief at 5:30
 - b. Social Coach – 8:30-12 plus daily debrief at 5:30
 - c. Workshop Coach – 1:30-5:15 plus daily debrief at 5:30
7. Excellent people skills.
8. Proficient in email and social applications; willing to learn virtual tools as required

Duties:

1. Sign in early (minimum 15 minutes) to virtual platforms daily on assigned shift(s) for staff meeting prior to camp start for the duration of the camp
2. Complete assigned training.
3. Participate in daily recap at 5:30.
4. Core Coaches are responsible for 4-6 campers (optimally), serving both as advocate and enforcer of camp rules, ensuring they accomplish what they need to do, have fun, and stay safe.
 - a. Each breakout room will optimally have a Social and Build Coach assigned for 4-6 campers.
 - b. Each breakout room will optimally have an adult coach and a near-peer coach.
 - c. Build Coaches are responsible for guiding girls in designing and building the technical portions of their project.
 - i. They should be prepared to complete the final project themselves.
 - ii. They have the additional technical support of the Lead Technical Instructor and Virtual Camp Director.
 - iii. They will complete 4-6 hours hardware training.
 - iv. Need access to minimum two cameras; doc cam recommended.
 - d. Social Coaches are responsible for guiding girls in the social aspects of completing their project, including defining non-hardware-related project elements and criteria, and assisting with technology needs, such as using FlipGrid, completing surveys, etc.
 - i. Social coaches also take attendance, monitor engagement, and ensure girls' compliance with various deliverables, such as surveys.

- ii. They have the administrative support of the Lead Social Instructor and Virtual Camp Director.
 - iii. They will complete 2-4 hours software training
 - iv. If Social coach also wants to assist in build with students (recommended), they should complete Build training too.
 - v. Recommend access to minimum two cameras.
5. Workshop Coaches are responsible to lead post-Inspiration debriefs and assist workshop presenters in breakouts of 4-6 girls as needed during the afternoon.
 - a. Must provide guidance during completion of eight different workshops during week, two per day.
 - i. Workshop coaches take attendance, monitor engagement, and ensure girls' compliance with various deliverables, such as surveys.
 - ii. They have the administrative support of the Lead Social Instructor and Virtual Camp Director.
 - b. Must complete any training associated with workshop activities in weeks preceding camp; should complete activities ahead of time or sufficiently understand to complete with girls during camp.
6. Be willing and able to intervene and deal with potential minor difficulties between campers and limited discipline issues (interruptions, language, non-participation, etc.)

Other.

1. All Tech Trek staff must be screened and selected utilizing the following:
 - a. A standard application completed by the applicant that includes an authorization for the release of information to conduct background checks (as applicable).
 - b. Individual interview with the applicant.
 - c. Reference checks and recommendations (as applicable).
2. All selected staff are required to sign the Code of Conduct and Abuse Policies for Protection of Tech Trek Campers (as applicable).
3. Female applicants are preferred.
4. Not a mandated reporter.

Needed: Logistics Coordinators

- ▶ Materials for the camps will be distributed in kits to selected campers in your area prior to camp start date.
- ▶ Detailed instructions will be provided to volunteers who can assist with kit distribution.
- ▶ Goal: parent picks up the kits for their girls (or branch coordinators can pick up and distribute). Should be no more than 1 hour drive from parent house.

Position Description: Logistics Coordinator

The Logistics Coordinators are branch volunteers responsible for delivering materials and kits to campers in exchange for any required documentation (releases, etc.). Each Virtual Camp Director will work with one or more different Logistics Coordinators depending on geographical placement of their campers and branches.

Qualifications.

1. Exhibits positive attitude and flexibility.
2. Willing and able to store kits temporarily and support 1-2 days of pickups or deliveries in weeks prior to camp.
3. Willing and able to work with Virtual Camp Director and camper families to determine optimal pickup locations and times.
4. Proficient in email with ability to scan collected release forms.

Duties.

1. Marshall and distribute kits for campers as assigned by Virtual Camp Directors
2. Collect needed releases as per Virtual Camp Director and scan to email prior to start of camp.
3. Respond directly to parent/guardian change requests related to kit pickup or delivery.

Needed: Workshop Instructors

- ▶ Eight potential workshops
- ▶ Instruction should be provided to all campers at the beginning of each workshop, then girls will be sent in groups of 6-10 to breakout rooms to work on the activities with 1-2 workshop coaches. Girls may be brought back into the Main room if needed to complete the workshop as a group (Show and Tell, demonstrations, etc.)
- ▶ Each workshop should stand alone and be:
 - ▶ - Proven in a virtual environment
 - ▶ - 90 minutes start to finish
 - ▶ - 75% hands-on
 - ▶ - Suitable for 11-14 year olds
 - ▶ - Enjoyable learning
 - ▶ - Related to one of the STEM disciplines
 - o Monday - Science
 - o Tuesday - Technology
 - o Wednesday - Engineering
 - o Thursday - Math
- ▶ Proposals will be evaluated by a panel of camp leadership

Stipend

- ▶ Build Coach: \$250/week, work 5 days, 3 hours each day
- ▶ Social Coach: \$200/week, work 5 days
- ▶ Workshop Instructor: \$160/week, work 4 days
- ▶ Evening workshop: \$40/evening session
- ▶ Coaching does qualify as service hours for high school girls (Peer coaches)

Poll Question #1

- ▶ 1.) Are you interested in participating in one of the Tech Trek online camps this year?
- ▶ Camp dates are June 21 - 25, July 12 - 16, and July 26 - 30, 2021
- ▶ a) Yes, very interested!
- ▶ b) Interested, but want to learn more
- ▶ c) Not interested
- ▶ d) Undecided

Poll Question #2

- ▶ 2.) Are you interested in one of the following opportunities?
- ▶ a) Virtual Social Coach
- ▶ b) Virtual Build Coach
- ▶ c) Logistics coordinator (distribution of kits to campers in your area prior to camp)
- ▶ d) Not interested
- ▶ e) Undecided

New Branch Mentoring Program

- ▶ Our branch is exploring how we can assist our Tech Trek girls through a Mentoring Program.
- ▶ We will match AAUW members up one-on-one with Tech Trek girls who have already completed the camp.
- ▶ We will be able to counsel and guide the girls through high school and through the college application process.
- ▶ You can do this on your own schedule, answer their questions along the way and eventually, maybe they'll join us as AAUW members!

Keeping in Touch with our Girls

- ▶ For the girls' benefit:
 - ▶ Write letters of recommendation for colleges and jobs
 - ▶ Assist in completing college applications
 - ▶ Bring them into the AAUW family
 - ▶ Highlight opportunity to use Tech Trek participation for credit on college admission for extracurricular activities
- ▶ Tech Trek program benefits:
 - ▶ Update Tech Trek processes using feedback from former participants
 - ▶ Keep AAUW members engaged
 - ▶ Instill a sense of pride and satisfaction for Tech Trek organizers
 - ▶ Bask in the national recognition
- ▶ For fundraising
 - ▶ Encourage donations from our members and other donors
 - ▶ Trekkers speak to potential donors
- ▶ “Build a Tech Trek Girl” is a fun fundraising strategy

The Mentoring Project - Stockton Branch

- ▶ About 100 Tech Trek alumnae from mostly low-income families are in this 12-year-old program that continues through high school and beyond. 100% of those who participate go on to college.
- ▶ Monthly meetings are structured with activities focused on science, art, etc.
- ▶ The club offers advice, counseling, training in everyday skills such as how to introduce themselves, talk on the phone, how to choose the right high school, to navigate a restaurant meal and much more.
- ▶ TTers take an annual multi-day trip. Destinations include Tahoe, the beach, and Sonoma.
- ▶ TTers tour a college campus, get help with college applications, meet and talk with people in careers the girls are considering to ensure that they know what really is involved.
- ▶ Their budget: \$7,000 per year. Originally funded by rummage and bake sales but solicitation letters from local businesses, foundations, etc. work far better and involve the community.
- ▶ This project takes commitment, but not many branch members. Older girls help with younger ones. The results are stunning and remarkable.

Poll Question #3

- ▶ 3.) Are you interested in getting involved with our branch Mentoring program?
- ▶ a) Yes, very interested!
- ▶ b) Interested, but want to learn more
- ▶ c) Not interested
- ▶ d) Undecided