

Tech Excellence

An interactive Math-Science program for seventh (7th) grade girls that strives to:

- Explore jobs and careers in STEM.
- Provide field study through local businesses and colleges.
- Provide hands-on experiences in STEM areas.
- Promote equity and increase self-esteem for middle school girls.

Four (4) studies prepared for AAUW document that pre-adolescent girls show an alarming drop in interest in science and mathematics, academic performance and self-esteem. Tech Excellence is a program designed to counteract this trend.

Twice a month, members of the AAUW San Jose Branch meet with Tech Excellence students at John Muir Middle School in the San Jose Unified School District to provide them with out-of-the-classroom, hands-on experiences. Women in science, technology, engineering and mathematics (STEM) volunteer in the classroom, sharing their expertise and demonstrating women's roles in scientific fields and high-tech industries. There are no program fees.



Nutrition – Vitamin C Testing

Activities

Tech Excellence subject areas:

- Aeronautics/Aviation
- Audiology
- Earthquake Engineering, Energy
- Green Technology
- Marine Biology
- Nutrition/Exercise
- Occupational Therapy (OT)
- Polymer Chemistry/GAK
- Veterinary Medicine
- Water Resources/Wildlife Refuge

Tech Excellence field trips:

- Hiller Aviation Museum
- Long Marine Labs, UC Santa Cruz
- San Jose State University, OT
- Tech Museum, Energy/Earthquake
- The Intel Museum, Circuit Boards

Related STEM Program

- **Tech Trek** is an annual summer science camp offered by AAUW CA in various college campuses in California.
- Local girls sponsored by AAUW San Jose Branch attend Stanford University's Camp Marie Curie.
- See more information on **Tech Trek** at <http://aauw-techtrek.org/stanford/>.



Flight Simulator – Hiller Aviation



Audiology – Hearing Test

The Future

The **Tech Excellence** community action project (CAP) enables middle school girls to explore jobs in STEM careers.

The AAUW San Jose Branch is expanding the number of mentors and members involved in the program. The STEM field is constantly changing, so we continually update our programs to remain current in career opportunities.

If you or your organization would like to become involved with **Tech Excellence** please contact:

AAUW San Jose Branch
1165 Minnesota Avenue
San Jose, CA 95125
408-294-2430
www.aauwsanjose.org



Veterinary Medicine

The American Association of University Women

With more than 170,000 members, 1,000 local branches nationwide, and over 800 college and university partners, The American Association of University Women (AAUW) promotes education and equity for all women and girls, lifelong education and positive societal change. To support this mission, AAUW works with the education community, provides leadership training, supports multicultural awareness and conducts community action projects.

AAUW is dedicated to promoting educational opportunity for girls of all ages. They have funded the following studies on the current state of education:

- *Shortchanging Girls*
- *Hostile Hallways*
- *Girls in the Middle*
- *What's Working for Girls in School*
- *Why So Few*
- *Crossing the Line*

For more information on AAUW, please visit www.aauw.org, www.aauw-ca.org, and www.aauwsanjose.org.

AAUW advances equity for women and girls through advocacy, education, philanthropy, and research.



American Association of University Women (AAUW) San Jose Branch



Middle School Girls' Science Project:
Snail Study

Tech Excellence
Working with today's girls
for tomorrow's future