



THE ARIZONA SCIENCE LAB

Evans School, 4525 S. College Ave, Tempe, AZ

www.azsciencelab.org

ASL VOLUNTEER POSITION DESCRIPTION

The primary objective of the IEEE “Arizona Science Lab” program is to encourage students in grades 4 - 8 to become excited and interested in science, technology, engineering and/or math (STEM) so they might pursue studies and a career in one of these fields. Through interactive workshops the ASL program is trying to reverse the widely acknowledged continuous downward trend in the number of students opting for studies and careers in STEM. The secondary objective of the ASL is to encourage retired engineers and scientists, employed engineers and scientists, retired teachers, university engineering students, and anyone with an interest in science and a practical aptitude to become engaged with the students and share their knowledge, expertise and passion for engineering and science with them.

To accomplish both of these objectives, ASL offers science workshops, executed by a team of teachers and 5-7 volunteers, to student classes in grades 4 – 8 throughout the Phoenix metro area, in our facility in Tempe, with all the volunteers, equipment and supplies being provided at no cost to the teacher or school or students.

See some short videos can be seen at this link: <https://www.azsciencelab.org/workshop-videos.html>

Position Description:

IEEE ASL Volunteers provide the academic and career support to grade 4 - 8 students during these 4 hour one day workshops in the IEEE Arizona Science Lab. Volunteers teach students science and help them perform experiments and construction projects that reinforce the science they have been taught. Volunteers also advise students on studies and careers in science and engineering.

In each workshop there are two different volunteer positions:

- **Teacher:** responsible for giving the lectures and managing the demonstrations.
- **Supporters:** responsible for working with the students on experiments and the construction projects.

Qualifications & Responsibilities:

- Retired or employed engineer or scientist or teacher, or university engineering or science student, or anyone with an interest in science and an aptitude for hands-on activities.
- Enthusiasm for science, technology, engineering and math (STEM).
- Desire to share knowledge and experience with grade 4 - 8 students.
- Desire to help students learn and enjoy science.
- Commit one day in a week twice a month as a Workshop Teacher or Project Supporter.

- Actively participate in IEEE ASL Group meetings to review program status, discuss issues and ideas, review lesson plans, etc.

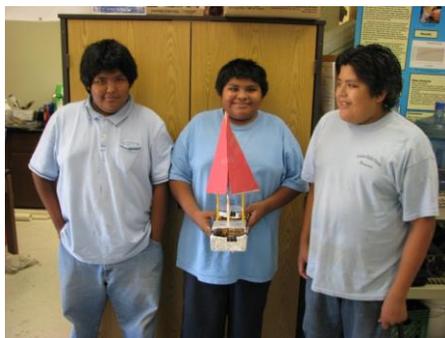
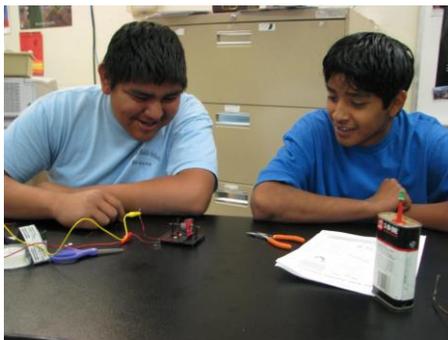
TISP/ASL Provided Training and Orientation:

- Understand how IEEE ASL operates.
- Deepen your teaching skills.
- Expand your tutoring and support techniques.
- Increase your sensitivity to different cultures and age groups.

Benefits:

- Access to free trainings and workshops.
- Opportunity to make a difference in a child’s life and in your community.
- Share the excitement and "Wow Factor" the students have when they complete and test their project.
- Be a small part of helping create a better world for tomorrow — students will remember these workshops and your help and advice for a very long time!

The “Wow!” Factor In The IEEE ASL Lesson Workshops



For more information: visit our website: www.azsciencelab.org OR contact:

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**“Helping Students Transfer
 What Is Learned In The
 Classroom To The World Beyond”**