



Patriots Jet Team Foundation

Bringing Aviation, Space and STEM to America's Youth



The **Patriots Jet Team Foundation (PJTF)** is an all-volunteer non-profit group that has served the community for over a decade – offering students experiences which are both valuable and life changing. We are dedicated to get students excited about aviation, space, and STEM [Science, Technology, Engineering and Mathematics] subjects and careers through our school outreach programs, learning center activities, mentorship, and scholarships. We engage about 5,000 students annually from 30 schools across the San Francisco Bay Area and Central Valley.

- Offer free, innovative, and hands-on programs designed to apply new concepts to real world examples.
- Instill the importance of leadership, teamwork, commitment, and community service.
- Our success is due to a community-based approach – involving teachers, parents, and educational partners.
- Funding goes directly to support programs, activities, and scholarships as an all-volunteer, non-profit 501(c)(3) group.
- Volunteers are one of our most valuable resources. **Get involved today!**

PROGRAM & EVENT HIGHLIGHTS

School Outreach – held air rocket competitions [[click for video](#)], science projects, classroom presentations, and career fairs at schools across the San Francisco East Bay Area / Central Valley, including Travis AFB / Lemoore NAS schools.

- **High-Altitude Balloon Program** – introduced at Excelsior Middle School for Gifted & Talented Education (GATE) Program – reached 107,000 feet, traveled 70 miles, and airborne ~2.5 hrs. [[click for video](#)]
- **Cross-Curriculum Aerospace Course** – now offer a full year elective course at Freedom High School (previously a single semester class). Added more programs for the Air Force Junior ROTC Program at Heritage High School.
- **Summer Aerospace Course (AP Honors)** – offered jointly with the University of the Pacific (UOP) and “Reach for the Stars” Foundation, splitting time between UOP and the PJTF Learning Center.

PJTF Learning Center – hosted groups for aerospace / STEM programs, including STEM academies, USN Sea Cadets (5-day national aviation course) and CAP Cadets. Offered aviation courses. EAA held Young Eagles (Kids Fly Free) events.

Annual Aviation & Aerospace Career Fair – added more STEM-related groups, including Lawrence Livermore Labs, Pratt & Whitney, Joby Aviation (electric aircraft), and United Technical Operations. Expanded static aircraft display.

Community Outreach – headliner for Stockton Ports (Oakland A’s minor league team) Educational Days with rocket launch demos (main field w/students), exhibits, and static Mig17 display. About 4,000 students, in total, attended.

Scholarships – awarded 50 aviation scholarships to high school students (via competitive selection process) for private pilot ground school and flight training over last 7 years. Introduced college engineering scholarships in 2023.

Air Rocket Competitions



High Altitude Balloon



Scholarship Program



Aerospace Courses (AP)



EAA Young Eagles Flights



Introduction to Aviation



EDUCATIONAL PARTNERS (Sampling)

We collaborate with (engage students from) various schools / STEM groups to deliver our mission and act as advocates.

- **Dublin HS Engineering Academy** – 3-year program (project-based / mentoring) that offers students foundational knowledge to succeed in college engineering programs and explore potential careers.
- **Merrill F West HS Space & Engineering Academy** – learning community that prepares students for college studies and STEM related careers opportunities.
- **Heritage HS Robotics Program** – designs / builds robots for FTC competitions. PJTF offers advisory and financial support.
- **University of the Pacific (UOP) & “Reach for the Stars” Foundation** – collaborative effort to teach a 4-week Aerospace Course (AP honors credit), splitting time between UOP / PJTF Learning Center.
- **Air Force Junior ROTC (Heritage HS)** – key aspect of its mission is to educate cadets in air & space concepts through hands on learning opportunities via fun and challenging extra-curricular activities.
- **Heritage HS CTE Internship Program** – students gain valuable, real-life experience. PJTF offers students internships.
- **Pittsburg High School CTE / Engineering Pathways** – offers students advanced studies (e.g., robotics) and preparation for college engineering programs. PJTF is a member of its CTE Advisory Committee.
- **San Joaquin Expanding Your Horizons (SJEYH)** – annual conference to encourage 6-12th grade girls to consider education and career options in science and mathematics.
- **Tri-Valley STEM Center** – signed letter of intent with this group. Its mission is to advance STEM in the Tri-Valley area and plans to build an informal STEM learning center / marketplace

ACKNOWLEDGEMENTS / AWARDS

We have received awards and recognition from various organizations – reflecting the commitment of our volunteers, educators, and donors to make a difference for the youth in our community.

- The Association of California School Administrators – “Outstanding Partner in Education” / “Friends of Education of the Year”
- U.S. Congress, California Senate & Assembly, and Contra Costa District 3
- Discovery Bay Chamber of Commerce Non-Profit of the Year
- KRON4 TV / ABC7 TV / Local Media

LOOKING FORWARD

We are pursuing several growth initiatives, including expanding our college engineering scholarship program, offering STEM Grants to support high school robotics & engineering programs, and growing our educational partner program in next generation aerospace with Joby Aviation, E-Space, Planet Labs.

Visit our website (www.pjtf.org), scan the QR, or contact us by email (info@pjtf.org) to LEARN MORE

