



TECHNOLOGY STUDENT ASSOCIATION



WHAT IS THE TECHNOLOGY STUDENT ASSOCIATION?

The Technology Student Association (TSA) is a national, non-profit organization of more than 250,000 middle and high school students engaged in science, technology, engineering, and mathematics (STEM). Almost 5,000,000 student members have participated in TSA since 1978 through challenging competitions, leadership opportunities, and community service.

MISSION & VISION STATEMENTS | MOTTO



MISSION STATEMENT

The Technology Student Association enhances personal development, leadership, and career opportunities in STEM, whereby members apply and integrate these concepts through intracurricular activities, competitions, and related programs.



VISION STATEMENT

The Technology Student Association is accelerating student achievement and supporting teachers by providing engaging opportunities to develop STEM skills.



MOTTO

Learning to Lead
in a Technical World

WHY JOIN TSA?

- ▶ TSA provides student members the opportunity to explore a wide variety of STEM career interests.
- ▶ TSA offers 70+ middle and high school events that correlate with national STEM standards.
- ▶ TSA competitions can be integrated into and enhance STEM curriculums.
- ▶ TSA competitive events enrich classroom learning through hands-on experience.



TSA CHAPTERS

- ▶ Membership in TSA is through school-affiliated chapters.
- ▶ TSA advisors are engaged technology and engineering teachers interested in developing college and career-ready student members.
- ▶ TSA members are motivated to become STEM industry leaders.
- ▶ Chapter success is inspired by a cooperative team of chapter officers and inspired members.
- ▶ TSA chapters are endorsed by the school administration.



TSA PREPARES THE NEXT GENERATION FOR STEM

Student member benefits include:

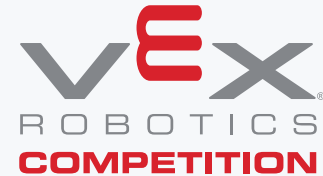
- ▶ A wide variety of challenging STEM competitions
- ▶ Career and technical skills development
- ▶ Customized leadership program
- ▶ Teambuilding
- ▶ Regional, state, and national conferences
- ▶ Service project experiences
- ▶ Achievement recognition
- ▶ Networking opportunities with members and industry professionals



TSA PROGRAMS

In addition to TSA competitions, TSA offers multiple STEM programs to members including:

- ▶ **Tests of Engineering Aptitude, Mathematics, and Science (TEAMS):** one-day engineering competition during which students work together to apply their knowledge and STEM skills to global issues
- ▶ **VEX Robotics Competition & VEX IQ Challenge:** hands-on competition in which students learn about robotics through STEM
- ▶ **Solar Sprint:** solar car competitions – Junior Solar Sprint (JSS) for middle school students and Senior Solar Sprint (SSS) for high school students – sponsored by the U.S. Army Educational Outreach Program (AEOP)
- ▶ **Unite:** summer program on college campuses for high school students historically underserved in STEM; also sponsored by AEOP.



TSA COMPETITIONS

TSA competitions provide an opportunity for students to take learning beyond the classroom and explore topics of career interest. TSA chapter advisors can use TSA competitions as an intracurricular resource to enhance classroom instruction and extend learning through chapter meetings.

Examples of high school competitions:

- ▶ Architectural Design
- ▶ Digital Video Production
- ▶ Forensic Science
- ▶ Future Technology Teacher
- ▶ Software Development

Examples of middle school competitions:

- ▶ Digital Photography
- ▶ Forensic Technology
- ▶ Inventions and Innovations
- ▶ Medical Technology
- ▶ STEM Animation

STATE TSA CONFERENCES

- ▶ State delegations host leadership conferences in the fall and regional competitions during the school year to give student members the opportunity to prepare for state conferences.
- ▶ State conferences are held in the spring of each school year.
- ▶ State conference information is available on state TSA websites and on the national TSA website, [TSAweb.org](https://tsaweb.org).



2023 NATIONAL TSA CONFERENCE

The 2023 National TSA Conference will be held in Louisville, Kentucky, June 28th - July 2nd, and will feature:

- National TSA competitive events and JSS, SSS, VEX, and TEAMS competitions
- Professional leadership training
- Speakers and special interest sessions
- STEM education and career options
- National TSA officer team election
- Awards ceremonies



CONTACT US

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