

FACTS 2026-2027

“LEARNING TO LEAD IN A TECHNICAL WORLD”



The **Technology Student Association (TSA)** is one of eight national, non-profit career and technical student organizations (CTSOs) of middle school and high school students engaged in science, technology, engineering, and mathematics (STEM). Since TSA was chartered in 1978, over 5,000,000 student members have participated through competitions, intracurricular activities, leadership opportunities, community service, and more. TSA is a non-partisan, non-sectarian 501(c)(3) that does not discriminate on the basis of race, color, age, religion, creed, ethnicity, gender, gender identity/expression, or disability.

MEMBERSHIP: BY THE NUMBERS

300,000+

MIDDLE AND HIGH SCHOOL STUDENT MEMBERS

100%

LIKELY TO GRADUATE FROM HIGH SCHOOL



90%

COLLEGE-BOUND



3,500+

TEACHERS (CHAPTER ADVISORS)

2,800+

SCHOOLS IN 48 STATES



CTE® 85%

ENROLLED IN A CTE PROGRAM

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.

TSA COMPETITIONS

TSA provides rules and guidelines for more than 75 middle school and high school competitions. For use in the classroom, all competitions are aligned with STEM standards, 21st century leadership skills, and the U.S. Department of Education's National Career Clusters Framework®.

Competition categories include Architecture and Construction Technology; Communications Technology; Computer Science and Information Technology; Leadership, Manufacturing and Transportation Technology; STEM (General), STEM and the Arts; and Technology and Research.

TSA Computer Science competitions are designed to be integrated into existing curriculum at the middle and high school levels. Competition areas focus on integrating technologies such as data analytics, artificial intelligence, machine learning, virtual reality, and autonomous systems.

Tests of Engineering Aptitude, Mathematics, and Science (TEAMS) provides a set of four engineering-focused competitions for middle and high school students. These competitions focus on math and science skills used by engineers as they solve real-world engineering challenges. For 2027, TSA has partnered with the National Council of Teacher of Mathematics (NCTM) to develop the content of the competition set.

TSAweb.org

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PROGRAMS AND INITIATIVES

TSA Voices: *TSA Voices* is a leadership-focused podcast series that features individuals from the TSA community who reflect on their personal and professional growth through TSA. Episodes highlight a 21st century skill, such as collaboration, adaptability, perseverance, or communication, and its importance in the individual’s TSA experience and beyond. These stories offer valuable insights for current members, advisors, and anyone looking to grow as a leader.

National Service Project: TSA partners with meaningful causes to give members the opportunity to make a difference beyond the classroom. Through these service-focused initiatives, students contribute to a larger mission while developing essential leadership, teamwork, and community engagement skills. TSA’s national service project partner is the American Red Cross.

National Technical Honor Society (NTHS): The National Technical Honor Society (NTHS) serves Career and Technical Education (CTE) students through recognition and scholarship opportunities. TSA and NTHS formed a partnership in June 2023 to provide benefits to TSA members.

TSA Achievement Program, Pathways to Excellence: TSA’s achievement program encourages TSA members to engage in service leadership, STEM immersion, and personal/professional development activities. Members gain leadership skills and earn recognition for their efforts as they complete activities in these areas.

2026-2027 TSA COMPETITIVE EVENTS

Middle School

- Audio Podcasting
- Biotechnology
- Career Prep
- Challenging Technology Issues
- Chapter Team
- Children’s Stories
- Coding
- Community Service Video
- Computer-Aided Design (CAD) Foundations
- Construction Challenge
- Cybersecurity
- Data Science and Analytics
- Digital Photography
- Dragster
- Drone (UAV)
- Electrical Applications
- Flight
- Forensic Technology
- Inventions and Innovations
- Leadership Strategies
- Mass Production
- Mechanical Engineering
- Medical Technology
- Microcontroller Design
- Off the Grid
- Prepared Speech
- Problem Solving
- Promotional Marketing
- Robotics
- Solar Racer
- STEM Animation
- Structural Engineering
- System Control Technology
- Tech Bowl
- Technical Design
- Video Game Design
- Website Design

High School

- Animatronics
- Architectural Design
- Artificial Intelligence (AI)
- Audio Podcasting
- Automated Manufacturing Systems
- Biotechnology Design
- Board Game Design
- Chapter Team
- Children’s Stories
- Computer-Aided Design (CAD), Architecture
- Computer-Aided Design (CAD), Engineering
- Data Science and Analytics
- Debating Technological Issues
- Digital Video Production
- Dragster Design
- Drone Challenge (UAV)
- Engineering Design
- Extemporaneous Speech
- Fashion Design and Technology
- Flight Endurance
- Forensic Science
- Future Technology and Engineering Teacher
- Hybrid Racer XL
- Interior Design
- Manufacturing Prototype
- Music Production
- On Demand Video
- Photographic Technology
- Prepared Presentation
- Promotional Design
- Robotics
- Software Development
- STEM Mass Media
- Structural Design and Engineering
- Technology Bowl
- Technology Problem Solving
- Transportation Modeling
- Video Game Design
- Virtual Reality Simulation (VR)
- Vlogging
- Webmaster