FACTS 2025-2026

"LEARNING TO LEAD IN A TECHNICAL WORLD"

TECHNOLOGY STUDENT ASSOCIATION

The **Technology Student Association (TSA)** is a national, non-profit career and technical student organization (CTSO) 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)

2,700+

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 and Information Technology (CS/IT) competitions are designed to be integrated into an existing CS/IT curriculum at the middle and high school level. Examples include coding, data science and analytics, software development, video game design, virtual reality visualization, and website design. These competitions provide a more comprehensive experience than stand-alone competitions and include leadership activities and 21st century skills components.

Tests of Engineering Aptitude, Mathematics, and Science (TEAMS) provides a set of engineering-focused competitions for middle and high school students. Through teamwork and the use of practical applications of math and science, participants solve questions based on real-world engineering challenges.

TSAweb.org

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PROGRAMS AND INITIATIVES

Leadership Program: *TSA Voices: A Podcast Series* features individuals from the TSA community who reflect on TSA's program of competitions and activities, leadership, and their TSA journey. Each episode spotlights a 21st century leadership skill – such as collaboration, adaptability, or communication – and its specific importance in the individual's TSA experience and beyond.

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.

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.

2025-2026 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
- Biotechnology Design
- Board Game Design
- Chapter Team
- Children's Stories
- Coding
- 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
- Geospatial Technology
- Manufacturing Prototype
- Music Production
- On Demand Video
- Photographic Technology
- Prepared Presentation
- Promotional Design
- Robotics
- Software Development
- STEM Mass Media
- Structural Design and Engineering
- System Control Technology
- Technology Bowl
- Technology Problem Solving
- Transportation Modeling
- Video Game Design
- Virtual Reality Simulation (VR)
- Vlogging
- Webmaster