Enhance STEM education and inspire your students

Are you looking for ways to help your students bridge classroom learning with the real world? Do you want to deepen your students’ engagement with STEM disciplines?

TEAMS integrates STEM education with theme-based practical experiences of real-life engineers. In addition, its competitive environment motivates students – with recognition at the local, state, and national level – while strengthening their understanding of STEM connections with the world in which they live.

Why teachers value TEAMS

TEAMS is a turn-key program. Teachers/coaches and students receive complete, ready-to-use resources and competition materials.

+ The TEAMS competition is creative, exciting and theme-based, with problems designed to be solved in teams – the way engineers work.
+ TEAMS resources and competition materials are designed and tested by experienced, credentialed engineering professors and professionals.
+ No need for extra materials, equipment, computers, or supplies.

Through TEAMS, your students gain:

+ Problem solving abilities
+ Collaboration and team-building experience
+ An understanding of the role of engineering in solving societal, environmental, community, and global problems
+ An opportunity to explore engineering as a college major or profession
+ Exposure to STEM disciplines outside the classroom

Dates and Places

+ Online registration begins in September each year.
+ State-wide competitions take place during February and March.
+ Students compete at their own school, at a neighboring school, or at a nearby university host site.
+ Top-ranking teams are invited to compete for “Best in Nation” honors at the national TSA conference in June.

Students

+ Open to middle and high school students, who compete in one of three levels: middle school, 9th/10th grade, or 11th/12th grade.
+ Contestants compete in teams of 4 to 8 students.

Coaches

+ Most TEAMS coaches are teachers; however, parents, other faculty, or other adults can coach.

Components and Rankings

+ High school level (9/10 and 11/12) consists of two 90-minute sections:
  - Part 1: 80 multiple-choice questions
  - Part 2: short-answer essay questions and design challenge
+ Middle school level consists of two 60-minute sections:
  - Part 1: 40 multiple-choice questions
  - Part 2: short-answer essay questions and design challenge
+ Student teams are ranked within their grade level, state, and division.

Opportunities for recognition at the local, state, and national level
TEAMS and TSA

TEAMS is administered by the Technology Student Association (TSA), a national non-profit organization for students engaged in science, technology, engineering, and mathematics (STEM). Membership in TSA includes more than 235,000 middle and high school students in 2,000 schools spanning 49 states.

TEAMS is one of several STEM programs offered by TSA. To learn more, visit www.tsaweb.org.

TEAMS partners include:
+ International Technology and Engineering Educators Association/Engineering by Design (ITEEA/EbD)
+ National Academy of Engineering Grand Challenges
+ Project Lead the Way (PLTW)

“Our students have participated in TEAMS for more than 20 years. During that time the TEAMS competition has grown to be one of the biggest single draws for student interest. Our students look forward to it every year.”

— Ken Owens,
TEAMS coach, Texas