

Transportation Challenge -

Participants design and fabricate a battery-powered all-terrain vehicle.

Structural Challenge - A team researches and builds a structure designed to hold the greatest load. Teams submit their models for destructive testing.



TSA Cup: Marine Design Challenge - A team researches sailboat design and builds a model that is raced in a tank.



Digital Photography -

Participants produce both color and black and white digital photos in a specified format.



Dragster Design -

Individuals design, produce, build and race a CO₂ powered dragster.



Problem Solving - Working as a team, students use problem solving skills and provided materials to develop a solution to a stated problem.



Chapter Team - Team members demonstrate their understanding of parliamentary procedure.

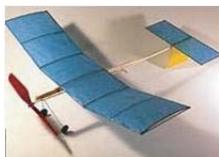


Engineering Design -

Through use of a model/prototype, display and design notebook, a team explains how a particular problem has been solved and the solution's impact on society and the environment.



Flight Endurance - Individuals analyze flight principles with a rubber band-powered model aircraft.



Technology Student Association competitions are the main reason technology teachers and their students choose to have a TSA chapter. TSA's competitive events inspire creativity, critical thinking and encourage teamwork. The standards for technological literacy correlate to TSA's competitions and together they align with the technology education curriculum.

TSA offers over 60 competitive events at the middle and high school level. Each competition contains components of Science, Technology, Engineering and Math (STEM). Additionally, leadership skills and career awareness strategies are integrated into the competitions. Upon affiliating, chapters receive a free guide containing the competition rules and criteria. Chapters may compete at the local, regional, state or national level.

To learn more about forming a TSA chapter and its competitions visit www.tsaweb.org or use the form below.

Please send me information about TSA.

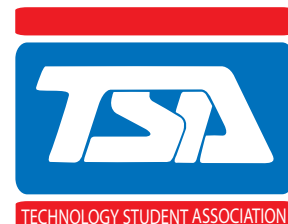
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TECHNOLOGY STUDENT ASSOCIATION