

# DRAFT

## 2023 NJ TSA Middle School Competitive Events Summary

<b>EVENT</b>	<b>ELIGIBILITY for NJ State Conference</b>	<b>CHANGES TO NATIONAL RULES</b>
Biotechnology	1 team of 3- 6 members per chapter.	No semifinalists, no presentation. Projects submitted pre-conference.
CAD Foundations	3 individuals per chapter.	Design Problem will be posted January 9 <sup>th</sup> . Entries submitted pre-conference. No on-site challenge. No finalists.
Career Prep	2 individuals per chapter.	No semifinalists, no interview. Entries submitted pre-conference.
Challenging Technology Issues	2 teams of 2 members per chapter	No semifinalists, no semifinal round.
Chapter Team	2 teams of 6 members per chapter.	No semifinalists. All teams take test and give presentation.
Children's Stories	2 teams of up to 6 members per chapter. Teams of 1 individual are permitted.	Entries submitted pre-conference. No semifinalists. No on-site reading/interview.
Coding	2 teams of 2 members per chapter.	Design Problem will be posted January 9 <sup>th</sup> . Entries submitted pre-conference. No test, no on-site challenge.
Community Service Video	2 teams of up to 6 members per chapter.	No semifinalists, no interview. Entries submitted pre-conference.
Construction Challenge	2 teams of up to 6 members per chapter.	No semifinalists, no presentation/ interview. Entries submitted pre-conference.
Cybersecurity Foundations	3 individuals per chapter	Test only, no presentation. No semifinalists.
Data Science & Analytics	2 teams of 2-3 members per chapter.	No semifinalists, no on-site challenge.
Digital Photography	2 individuals per chapter	Entries are submitted pre-conference. No semifinalists, no on-site challenge, no interview.
Dragster Design	2 individuals per chapter	Entries submitted pre-conference. Cars raced on conference day. No interview.
Electrical Applications	2 teams of 2 members per chapter.	Test only. No semifinalists, no on-site challenge.
Essays on Technology	2 individuals per chapter.	Students will have a limited window of time to write an outline and essay.
Flight	2 individuals per chapter.	No semifinalists, no on-site challenge. Students test pre-built gliders.
Forensic Science	1 team of 2 members per chapter.	Test taken prior to the conference. No semifinalists, all teams review and analyze crime scene.
Foundations of Information Technology	2 individuals per chapter.	Students take test
Inventions and Innovations	1 team 3-6 members per chapter.	No semifinalists, no presentation.
Junior Solar Sprint	1 team of up to 2-4 members per chapter.	Entries submitted pre-conference. Cars raced on conference day. No interview.
Leadership Strategies	2 teams of 3 members per chapter.	No semifinalists, no semifinal round.
Mass Production	1 team of up to 6 members per chapter.	No semifinalists, no presentation
Mechanical Engineering	1 team of 2-3 members per chapter.	No interview. Documentation submitted pre-conference.
Medical Technology	1 team of up to 6 members per chapter.	No semifinalists, no presentation. Projects submitted pre-conference.
Microcontroller Design	2 teams of up to 6 members per chapter.	No presentation.
Off the Grid	1 team of up to 6 members per chapter. A team of 1 individual is permitted.	No presentation/interview, no semifinalists.
Prepared Speech	2 individuals per chapter.	No semifinalists, no semifinalist round.

Problem Solving	2 teams of 2 per chapter.	NJ TSA will provide all materials and tools for the challenge.
Promotional Marketing	2 individuals per chapter.	Entries are submitted pre-conference. No semifinalists, no on-site challenge.
STEM Animation	2 teams of up to 6 members per chapter.	Entries submitted pre-conference. No semifinalists, no presentation.
Structural Engineering	1 team of 2 members per chapter.	Teams bring their pre-built structure and documentation on conference day. No semifinalists, no on-site challenge.
System Control Technology	2 teams of 3 members per chapter.	Design Problem will be posted January 9 <sup>th</sup> . There is no on-site challenge. Teams solve design problem and bring their entry on conference day for evaluation.
Tech Bowl	1 team of 3 members per chapter.	Teams will take test and participate in quiz-bowl style tournament. NJ TSA will provide detailed rules in the NJ Supplement.
Technical Design	1 team of two members per chapter.	Teams will have limited time to solve a design problem. Entries submitted pre-conference.
Video Game Design	1 team of 2- 6 members per chapter.	Entries submitted pre-conference. No semifinalists, no presentation.
Virtual Reality Visualization (VR)	2 teams of up to 6 members per chapter. Teams of 1 individual are permitted.	Entries submitted pre-conference. No semifinalists, no interview.
Website Design	2 teams of 3- 6 members per chapter.	Entries submitted pre-conference. No semifinalists, no interview.