



Missouri TSA 2024 State Championships Conference

Missouri TSA Middle School Competitive Events

Event Eligibility

Level	Event	Eligibility	Event Type	Portfolio	Online Exam	Timed Challenge/ Demonstration	Display	Model/Entry	Presentation/ Interview	Online Pre-	Category
MS	Biotechnology	Three [3] teams per chapter	Team	X			X		X		Portfolio; Display; Presentation/Interview
MS	CAD Foundations	Two [2] individuals per chapter	Individual			X					Timed Challenge
MS	Career Prep	Five [5] individuals per chapter	Individual	X					X	X	Pre- submission; Resume Portfolio; Interview
MS	Challenging Technology Issues	Three [3] teams of two [2] individuals per chapter	Team						X		Presentation (Debate Style)
MS	Chapter Team	Two [2] teams of six [6] individuals per chapter	Team		X	X					Online Exam; Demonstration
MS	Children's Stories	Three [3] teams per chapter; individual entries are permitted	Team/ Individual	X		X		X	X		Portfolio; Demonstration; Model/Entry; Presentation
MS	Coding	Five [5] teams of two [2] individuals per chapter	Team		X	X					Online Exam; Timed Challenge
MS	Community Service Video	Five [5] teams per chapter; individual entries are permitted	Team/ Individual						X	X	Pre-submission; Interview
MS	Construction Challenge	Three [3] teams per chapter	Team	X			X	X	X		Portfolio; Display; Model/ Entry; Presentation/Interview
MS	Cybersecurity	Three [3] individuals per chapter	Individual		X		X		X		Online Exam; Display; Presentation
MS	Data Analytics	Three [3] teams of two to three [2-3] individuals per chapter	Team	X		X	X				Portfolio; Display; Timed Challenge
MS	Digital Photography	Five [5] individuals per chapter	Individual	X		X			X	X	Portfolio; Timed Challenge; Presentation
MS	Dragster	Two [2] individuals per chapter	Individual	X		X		X	X		Portfolio (drawings); Timed Challenge; Model/Entry; Interview
MS	Drone Challenge (State Only)	Two [2] teams of two [2] per chapter	Team	X		X	X	X			Portfolio; Timed Challenge; Display
MS	Electrical Applications	Five [5] teams of two [2] individuals per chapter	Team		X	X					Online Exam; Timed Challenge
MS	Essays on Technology	Three [3] individuals per chapter	Individual			X					Timed Challenge
MS	Flight	Two [2] individuals per chapter	Individual	X		X		X			Portfolio; Timed Challenge; Model/Entry
MS	Forensic Technology	Four [4] teams of two [2] individuals per chapter	Team		X	X					Online Exam; Timed Challenge
MS	Inventions and Innovations	Two [2] teams of at least three [3] individuals per chapter	Team				X	X	X		Display; Model/Entry; Presentation
MS	Junior Solar Sprint	Two [2] teams of two to four [2-4] per chapter	Team	X		X	X	X	X		Portfolio; Timed Challenge; Display; Model/Entry; Interview



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MS	Leadership Strategies	Three [3] teams of three [3] individuals per chapter	Team			X					Timed Challenge
MS	Mass Production	Three [3] teams of at least two [2] individuals per chapter	Team	X				X	X		Portfolio; Model/Entry; Presentation/Interview
MS	Mechanical Engineering	Three [3] teams of at least three [3] individuals per chapter	Team	X				X	X		Portfolio; Model/Entry; Presentation/Interview
MS	Medical Technology	Three [3] teams of at least two [2] individuals per state	Team				X	X	X		Display; Model/Entry; Portfolio; Presentation/Interview
MS	Microcontroller Design	Three [3] teams per chapter; individual entries are permitted	Team/Individual	X				X	X		Portfolio; Model/Entry; Presentation/Interview
MS	NAO Robotics	Three [3] teams per chapter	Team			X					Challenge
MS	Off the Grid	Three [3] teams per chapter; individual entries are permitted	Team/Individual	X			X	X	X		Portfolio; Display; Model/Entry; Presentation/Interview
MS	Pin Design (State Only)	Two (2) entries per chapter	Team/Individual					X		X	Design Entry
MS	Prepared Speech	Three [3] individuals per chapter	Individual			X					Timed Challenge
MS	Problem Solving	Three [3] teams of two [2] individuals per chapter	Team			X					Timed Challenge
MS	Promotional Marketing	Five [5] individuals per chapter	Individual	X		X				X	Portfolio; Timed Challenge
MS	STEM Animation	Five [5] teams per chapter	Team	X		X		X		X	Portfolio; Model/Entry; Presentation
MS	Structural Engineering	Three [3] teams of two [2] individuals per chapter	Team	X		X		X			Portfolio; Timed Challenge; Model/Entry
MS	System Control Technology	Three [3] teams of three [3] individuals per chapter	Team			X					Timed Challenge
MS	Tech Bowl	Two [2] teams of three [3] individuals per chapter	Team		X	X					Online Exam; Timed Challenge
MS	T-Shirt Design (State Only)	Two (2) Entries Per Chapter	Team/Individual					X		X	Design Entry
MS	Technical Design	Three [3] teams of two [2] individuals per chapter	Team	X		X					Portfolio; Timed Challenge
MS	Video Game Design	Five [5] team of two to six [2-6] individuals per chapter	Team	X				X	X	X	Portfolio; Model/Entry; Interview
MS	VEX IQ	Three [3] teams per chapter	Team			X					Challenge
MS	Vlogging (<i>New</i>)	Five (5) teams of two (2) to six (6) individuals per chapter	Team	X						X	Portfolio; Onsite Challenge
MS	Website Design	Five [5] teams of three to six [3-6] individuals per chapter	Team	X				X	X	X	Portfolio; Model/Entry; Interview

Competitive General Rules:



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B.6.c. *Unless otherwise designated in a competition's eligibility guideline, the maximum size of a team is six (6) members. Unless the rules for a team event states that individuals are eligible to compete, the minimum of team participants is two.*

Vlogging – New event for 2024-2025

The event allows five teams per chapter. The event has a preconference submission of videos (in a series) and a documentation portfolio PDF. Tier scoring is applied to the videos and the documentation. Semifinal teams will be given an onsite problem of creating a video and then the teams will provide (submit/upload) a URL to the semifinal solution video(s).