

Middle School Modifications

**TULSA TSA MINI CONFERENCE
Tulsa TSA Conference,
Riverside Campus, Tulsa Technology Center
January 20th**

Level 1 (middle school/junior high) Note: 9th grade students must compete in Level II if they attend a high school

Refer to the current TSA Competitive Events Guide for further information.

MODIFICATION AND NUMBER OF PARTICIPANTS PER CHAPTER.

***Topics for Challenging Technology Issues - same topics at state conf.**

- copyright laws for downloadable materials
- hearing loss related to use of electronic music devices
- intrusive surveillance
- product testing on animals
- global warming

Event #	EVENT:	Code	# of entries	Modifications/Themes
1	Ag/Bio Technology Challenge	AG	3 teams of 2	Ag or Bio topic, display 15" x 3'x4', notebook, no interview, p. 32
2	Career Connection	CAC	5	Guidelines available from OK TSA - Pilot event
3	Career Prep	CAP	5	See guide, page 40, for careers, job app., resume, letter, interview
4	Communication Challenge	COC	5	Check in event, no finals, 3 promotional products, page 66
5	Chapter Team	CT	1 team of 6	Written test, top 8 do orals, page 54
6	Challenging Technology Issues	CTI	2 teams of 2	Draw 3 topics, choose one. Topics at top of this page. Page 47
7	Dragster Design	DD	6	No drawing required, weight 40 grams, page 93
8	Digital Photography	DP	3	Check in event - no finals, page 81, Theme: "The TSA Creed"
9	Environmental Focus	EF	2 teams of 2	Check in notebook, finals - presentation 1:00-2:30, page 120
10	Engineering Structure (bridge)	ES	8 individuals	Check in event, no drawing, 20' balsa wood 1/8 x 1/8, span 8",p. 112
11	Flight	F	6	Build at school & no drawing required, p. 128
12	Graphic Design	GD	6	Theme: "The Road to Success", check in event, page 155
13	Go Green Manufacturing	GGM	2 teams of 3	Notebook, p. 114, product from discarded materials, no finals, p. 147
14	Inventor - Gateway	INV	2	Pilot event - draw problem on site - Autodesk Inventor software used
15	Inventions & Innovations	II	2 teams of 3	Multimedia presentation (CD, DVD,USB), Notebook, Finals, p. 163
16	Leadership Strategies	LS	2 teams of 3	Written plan, finalist do oral presentation, p. 174
17	Multimedia Production	MP	3	Check in CD or DVD, Theme: "TSA membership Recruitment", page 197, no finals
18	Medical Technology Issues	MTI	2 teams of 2	Research medical technology issue, display 15"x3'x4', notebook, no finals, p. 189 - display event
19	Nxt Robotic Challenge - Pilot	NRC	2 teams of 2	Bring robot used in 1st Robotic League, program on site
20	Rube Goldberg - Gateway	RG	2 teams of 6	Bring your own materials, done at conference, takes 4-6 hours, pilot
21	Prepared Speech	PSP	3	Theme:"Snapshot of Innovation", 3-5 minutes, p 205, sign for time
22	Problem Solving	Probs	2 teams of 2	Materials furnished. Done at conference. Page 211
23	Technical Drawing	TD	6	Test, top 10 to drawing problem, drawing supplies furnished, p. 247
24	Technology Bowl Test	TBT	6 individuals	Bring #2 pencil, test, top 8 determine teams Tech Bowl Orals, p. 237
25	Technology Bowl Orals (finals)	TBO	2 teams of 3	Top 8 scores on test determine teams for orals, p. 237
26	TSA Cup:Marine Design	TCM	2 teams of 3	Display, notebook, no race, offshore vee hull racing boat, p. 237
27	Web Design	WD	1 team of 3	email URL to givenro@tulsaschools.org by Jan 14, no finals, p. 280
29	Write Now Technical Writing	WNT 3	3	Theme: Go Green, p 287, subtopics listed on page 287
29	Zap It! Electrical Applications	ZEA	6	Test, top 10 do final do schematic - bring pencil for test, page 295
25	TSA Cup: Marine Design Chall	TCM	2 teams of 3	Display, notebook, finals - top 10 race sailboat, page 211