

TEXAS



Technology Students Association

National Qualifying Events

2018-2019

**CHANGES HAVE BEEN MADE:
NEW CATEGORIES HAVE BEEN ADDED &
SOME CATEGORIES HAVE BEEN MERGED/DELETED
DO NOT USE
PREVIOUS YEARS
RULES BOOKS!**

Texas TSA MEMBERSHIP

School chapters must be an affiliated member with the National TSA and Texas TSA in order to participate and/or compete in Regional and State TSA Contest. Students names must be specifically listed in membership rolls with Texas TSA in order to compete at Regional and State contest. Affiliation will be completed online through <http://www.tsaweb.org/>. Chapters be must affiliated prior to November 15th each year to avoid a \$100.00 late fee. Membership application closes on February 1st each year.

Schools that affiliate and/or upload students after the February 1st, 2019 deadline will be ineligible to receive school awards at the Texas TSA State Contest AND will incur a \$500.00 sanction by the Texas TSA Board of Directors.

**Chapters may affiliate and compete in ONE TSA REGION only.
Chapters may NOT affiliate and/or compete in multiple TSA Regions.**

TEXAS TSA STATE CONTEST ENTRY FEE

After qualifying through a Texas TSA regional contest, students are eligible to participate and compete in the Texas TSA State Contest. The 2018-2019 contest will be held in Fort Worth on April 25, 26, & 27 of 2019. The entry fee is \$12.00 for each entry.

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Texas TSA does not refund any money for unused state entries. Texas TSA does not require a student to be present at State Contest to enter their project(s), unless they are competing in an event that requires the student to be physically present for the event. Those events include NQE and UTE contests.

COPYRIGHT

All entries must be the original work of the student participant or student team. **ALL** ideas, text, images (photos), computer generated, video and/or other), and sounds from other sources must be cited, including anything that is from the public domain. References and resources are to be cited using MLA (Modern Language Association) style, the most current edition. If copyrighted material is used, proper written permission must be included. Failure to follow this procedure **WILL AUTOMATICALLY RESULT IN DISQUALIFICATION OF THE STUDENT (ALL PROJECTS)** and may potentially disqualify the entire chapter from the 2019 Texas TSA State Competition.

A student may enter only ONE NQE on-site CADD contest

Due to time limits and other extenuating circumstances, Texas TSA reserves the rights to make minor modifications on how it conducts National Qualifying Events at Texas TSA State Contest. Individual Events coordinators must have any such modifications approved by the NQE Coordinator at State Contest: These may include:

1. Shortening the contest time or interview time allowed
2. Only having 1 round for public performance style events
3. Limiting the number of teams interviewed in the final round

Rule modifications should be procedural only and not affect the intent of the competition rules.

VEX ROBOTICS

Steps for competing in VEX Robotics:

- 1: Register teams at www.robotevents.com -- Teams will be contacted by Omar Pastrana once registered through www.robotevents.com
 - 2: Registration Deadline is February 1, 2019. THERE IS NO LATE REGISTRATION!
 - 3: Regions do NOT have to hold a VEX contest prior to February 1, 2019.
 - 4: Entries limited to 8 Teams per Region/2 Teams per Chapter.
 - 5: Pay entry fees to www.robotevents.com or at the Texas TSA State Contest in Fort Worth.
 - 6: Teams MUST qualify through their Regional Contest to be eligible to compete at State.
 - 7: There is no State Registration Form or Number needed in advance for VEX Teams. Registration will occur at the State Contest in Fort Worth.
 - 8: The Texas TSA VEX Contest will be held Thursday, April 25th and Friday, April 26th, 2019.
- Advisors and contestants should check the TexasTSA.org website often for changes. Advisors **ONLY** may contact **Omar Pastrana** at **VEX@texastsa.org** with questions concerning the VEX Robotics Contest at the Texas TSA State Contest.

Texas TSA Rulebook 2018-2019

National Qualifying Events

General Rules and Information

- 1: The Nationals Rulebook will be followed, with adjustments for State Contest listed below. Ignorance of the rules and/or misunderstanding of the rules is not an excuse for a protest or additional consideration. If you are unsure of the wording of a rule, have a question, or need clarification, please email the NQE Managers (Ricky Broussard and Kristin Rausch) at nqe@texastsa.org.
- 2: **The National Rulebook has a section which includes General Rules for ALL events.**
These rules dictate items such as:
 - a: No names or identifying information on projects
 - b: Prohibited items such as wet cell batteries, live plants, viruses, etc.
 - c: Prohibited content such as firearms, gang symbols, drugs, etc.

And many more!

In the PDF Documents downloaded from National TSA, this information appears as:

“Competitive Events Program” for High School

“General Rules and Regulations” for Middle School

- 3: **Nationals Dress Code WILL be enforced in ALL NQE events, including project drop off that involves entry into NQE areas.**

STUDENTS MUST WEAR:

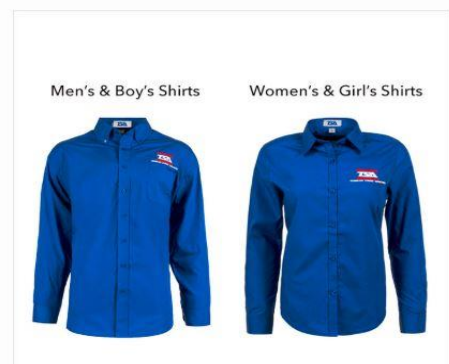
Official TSA Blue Competition Shirt, gray pants, black socks, & black shoes

Females may opt to wear skirts and/or hosiery in lieu of pants and socks.

An image of the official shirt is to the right and it must be purchased from www.tsaweb.org

Official Uniform Shirts

sku: TSUN



- 4: **Chapter Team** must wear official TSA blazers, with patch, and the red TSA tie (males). Per National TSA, females WILL NOT be penalized for wearing the tie, but it is optional for them.
- 5: **Students and Advisors are required to know the rules of the events.** Participants are also encouraged to check updates and clarifications on the National TSA Website throughout the year.
- 6: **The Go/No-Go Specifications will be used in ALL NQE events.** Make sure all elements of the project are present and that basic rules noted on the Go/No-Go Specifications are met or it WILL NOT be scored. An example is below:

Participant/Team ID# _____

ANIMATRONICS
2019 & 2020 OFFICIAL RATING FORM
HIGH SCHOOL

Judges: Using minimal (1-4 points), adequate (5-8 points), or exemplary (9-10 points) performance levels as a guideline in the rating form, record the scores earned for the event criteria in the column spaces to the right. The X1 or X2 notation in the criteria column is a multiplier factor for determining the points earned. (Example: an "adequate" score of 7 for an X1 criterion = 7 points; an "adequate" score of 7 for an X2 criterion = 14 points.) A score of zero (0) is acceptable if the minimal performance for any criterion is not met.

Go/No Go Specifications

- Before judging the entry, ensure that the items below are present; indicate presence with a check mark in the box.
- If an item is missing, leave the box next to the item blank and place a check mark in the box labeled ENTRY NOT EVALUATED.
- If a check mark is placed in the ENTRY NOT EVALUATED box, the entry is not to be judged.

- Skins/shells are removable.
- Interior skeleton and mechanism are accessible for inspection.
- Completed LEAP Report is present.
- ENTRY NOT EVALUATED

- 7: **A LEAP Report is required for ALL High School NQE Entries.**
A LEAP Response is required for ALL Middle School NQE Entries.
A LEAP Report (HS)/Response(MS) is a Go/No Go specification for ALL NQE events, so if you forget them, the NQE entry will **NOT** be judged.
- 8: **When turning in a project that has a portfolio, please make the LEAP Report (HS) or LEAP Response (MS) the LAST PAGE of the portfolio.**
Note: This is different than the procedure at Nationals!
For events that do not have a portfolio, please bring the LEAP Report/Response flat with no sheet protector and/or binding. We just end up throwing those away...please save the plastic.
- 9: **Students must be registered with the conference and pick up their badge before attempting to turn in a project or enter a competitive event.**
Please make sure you arrive in plenty of time to do registration before your first event begins. Contest schedule will be posted to the Texas TSA website in January.
- 10: **When turning in a project, please put the entry sticker on the BACK of the portfolio.**
DO NOT scratch out the name or any numbers on the sticker. These do not count towards the "no names" rule.
- 11: **Event stickers and name badges issued by Texas TSA DO NOT count against the student in relation to the "no names" rule mentioned below.**
We need names on both items to be visible. **DO NOT SCRATCH THEM OUT!**
- 12: **DO NOT put your name or school on a project unless it specifically calls for it.**
This includes introducing yourselves by name or school in a speaking event.
Work Logs should have initials only – no names unless specifically stated.
- 13: **Students competing in an event with a written test MUST bring their own #2 pencils and writing surface such as a clipboard.**
Failure to do so will result in disqualification per TSA National Rules.
- 14: **Please review the event modifications in the classification listing. Nationals is a 4-Day conference/contest and State is a 2-Day conference/contest, so there are some adjustments that must be made due to time limitations at the Texas TSA State Contest.**

- 15: NQE Protests and concerns MUST be addressed during the actual running of the event and need to be brought to the attention of the NQE Managers** (Ricky Broussard & Kristin Rausch).
Due to the nature of many of the events, it is very difficult to fairly address protest or problems after the event is over, the judges have left, and the results have been posted.
- 16: ONLY ADVISORS may bring concerns and protests to the NQE Managers.**
Parents or students must discuss the issue with their chapter advisor, who will bring it to the NQE Managers.
- 17: Per Texas TSA Board Policy, scoresheets will not be released.**
At state contest we will continue using the feedback forms that were developed for last year. We know there were some issues and are working on refining the process.
The one thing we cannot do is guarantee the quality or the amount of feedback. It is driven by the judges and the time constraints of the event.
- 18: An electronic scoring system is not sustainable at this time.**
This decision is being driven by cost. The cost of internet at any convention center is high. Even National TSA uses a limited amount of internet resources at their event. Until we can work something out (or charge more for entries) we will be using paper score sheets.
- 19: Most Common Point Deductions in National Qualifying Events:**
- a: Student is out of dress code
 - b: Size of display exceeds that in the rulebook. Please be reminded that when setting up a display/project, that it **MUST** fit within the dimensions specified in the National Rules. Students are encouraged to bring a tape measure and double check!
 - c: Too many pages in a portfolio. (i.e.: It says Max 6 for Research, and student turns in 7)
 - d: No Copyright Checklist for events that require it.
 - e: No Photo Release forms where recognizable people are in the photo/video
 - f: Entry turned in on wrong media. Ex: The rules say DVD and the student turns in a USB.
 - g: The wrong number of students in the demonstration/interview
 - h: MLA Format not followed in events that require it
 - i: School or student names on project

HIGH SCHOOL			
Category/Classification #/Entry Limits		Texas TSA Adjustments/Reminders	
3D Animation	HN500	<i>3 entries per region/ 3 entries per state</i>	Shortened time for onsite semi-finals No LEAP Interview (LEAP Report still required)
Animatronics	HN501	<i>1 entry per chapter/ entries per region</i>	3
Architectural Design	HN502	<i>1 entry per chapter/ entries per region</i>	3 There will be no pre-conference submission. <u>Please bring a hard copy in a portfolio.</u> <i>Follow the general guidelines as posted by National TSA for portfolios.</i>
Biotechnology Design	HN503	<i>3 entries per region/ 3 entries per state</i>	
Board Game Design	HN504	<i>1 entry per chapter/ entries per region</i>	3
Chapter Team	HN505	<i>1 entry per chapter/ entries per region</i>	3 No LEAP Interview (LEAP Report still required)
Children's Stories	HN506	<i>3 entries per region/ 3 entries per state</i>	
Coding	HN507	<i>1 entry per chapter/ entries per region</i>	3 No LEAP Interview (LEAP Report still required)
CAD Architecture	HN508	<i>3 entries per region/ 2 entries per state</i>	Shortened time for set up & problem No LEAP Interview (LEAP Report still required) CANNOT ENTER OTHER CAD EVENT
CAD Engineering	HN509	<i>3 entries per region/ 2 entries per state</i>	Shortened time for set up & problem No LEAP Interview (LEAP Report still required) CANNOT ENTER OTHER CAD EVENT
Computer Integrated Manufacturing	HN510	<i>1 entry per chapter/ entries per region</i>	3 Be sure to use the NATIONAL Conference City & State as the theme
Debating Technological Issues	HN511	<i>3 entries per region/ 3 entries per state</i>	No semi-finalist round. No LEAP Interview (LEAP Report still required)
Digital Video Production	HN512	<i>3 entries per region/ 3 entries per state</i>	Please put USB drive (which contains video & portfolio) <i>in a Clear Sheet Protector.</i> <i>Put entry sticker on Sheet Protector.</i> No LEAP Interview (LEAP Report still required)
Dragster Design	HN513	<i>2 entries per chapter/ 6 entries per region</i>	Check National Website for Theme No LEAP Interview (LEAP Report still required)

HIGH SCHOOL (continued)

Category/Classification #/Entry Limits			Texas TSA Adjustments/Reminders
Engineering Design	HN514	<i>3 entries per region/ 3 entries per state</i>	Due to technical considerations and availability of laptops for judges at state contest, we will be requiring a printed version of your portfolio. Follow the general guidelines as posted by National TSA for portfolios.
Essays on Technology	HN515	<i>3 entries per region/ 3 entries per state</i>	Per National Rules: no power or internet provided; bring fully charged laptop and USB drive. No LEAP Interview (LEAP Report still required)
Extemporaneous Speech	HN516	<i>3 entries per region/ 3 entries per state</i>	No semi-finalist round No LEAP Interview (LEAP Report still required)
Fashion Design & Technology	HN517	<i>3 entries per region/ 3 entries per state</i>	
Flight Endurance	HN518	<i>2 entries per chapter/ 6 entries per region</i>	No LEAP Interview (LEAP Report still required)
Forensic Science	HN519	<i>1 entry per chapter/ 3 entries per region</i>	Bring pencils and clipboards for written test
Future Technology & Eng. Teacher	HN520	<i>2 entries per chapter/ 3 entries per region</i>	
Music Production	HN521	<i>3 entries per region/ 3 entries per state</i>	
On Demand Video	HN522	<i>1 entry per chapter/ 3 entries per region</i>	Turn in video on USB drive; Nationals requires uploading to a server, but Texas TSA will evaluate on USB. No LEAP Interview (LEAP Report still required)
Photographic Technology	HN523	<i>1 entry per chapter/ 3 entries per region</i>	Texas TSA is carefully studying the new rules and working on developing a solution for the "semi-finals" round that works with our setup in Fort Worth. A solution will be posted in January.
Prepared Presentation	HN524	<i>3 entries per region/ 3 entries per state</i>	No semi-finalist round No LEAP Interview (LEAP Report still required)
Promotional Design	HN525	<i>3 entries per region/ 3 entries per state</i>	Shortened set up time No LEAP Interview (LEAP Report still required)
Scientific & Technical Visualization (SciVis)	HN526	<i>3 entries per chapter/ 3 entries per region</i>	

HIGH SCHOOL (continued)

Category/Classification #/Entry Limits		Texas TSA Adjustments/Reminders	
Software Development	HN527	<i>1 entry per chapter/3 entries per region</i>	Per National TSA Rules: *All teams present *Teams must bring own hardware to showcase their software *Internet is NOT provided *Teams may bring own extension cord if they require power
Structural Design and Engineering	HN528	<i>1 entry per chapter/ 3 entries per region</i>	Semi-finalist onsite build for Top Ten teams only No LEAP Interview (LEAP Report still required)
System Control Technology	HN529	<i>1 entry per chapter/ 3 entries per region/ 1 entry per state</i>	Shortened time for set up & problem No LEAP Interview (LEAP Report still required)
Technology Bowl	HN530	<i>1 team of 3 per chapter/3 entries per region</i>	Bring pencil & clipboard for written test No LEAP Interview (LEAP Report still required)
Technology Problem Solving	HN531	<i>1 entry per chapter/ 3 entries per region</i>	No LEAP Interview (LEAP Report still required)
Transportation Modeling	HN532	<i>1 entry per chapter/ 3 entries per region</i>	No LEAP Interview (LEAP Report still required)
Video Game Design	HN533	<i>3 entries per region/ 3 entries per state</i>	ONLINE PRE-SUBMIT. Information on how to turn in will be on the Texas TSA Website in March.
Webmaster	HN534	<i>1 entry per chapter/ 3 entries per region</i>	ONLINE PRE-SUBMIT. Information on how to turn in will be on the Texas TSA Website in March.

MIDDLE SCHOOL

Category/Classification #/Entry Limits		Texas TSA Adjustments/Reminders	
Biotechnology Design	MN600	<i>3 entries per region/ entries per state</i>	3
CAD Foundations	MN601	<i>3 entries per region/ entries per state</i>	2
Shortened set up time			
Career Prep	MN602	<i>1 entry per chapter/ entries per region</i>	3
Challenging Technology Issues	MN603	<i>3 entries per region/ entries per state</i>	3
No semi-finalist round			
Chapter Team	MN604	<i>1 entry per chapter/ entries per region</i>	3
Children's Stories	MN605	<i>3 entries per region/ 3 entries per state</i>	
Coding	MN606	<i>1 entry per chapter/ entries per region</i>	3
Bring pencils and clipboards for written test			
Community Service Video	MN607	<i>1 entry per chapter/ entries per region</i>	3
Construction Challenge	MN608	<i>1 entry per chapter/ entries per region</i>	3
Digital Photography	MN609	<i>3 entries per region/ 3 entries per state</i>	3
Shortened time for semi-finalist onsite problem/photos			
Dragster	MN610	<i>2 entries per chapter/ entries per region</i>	6
Electrical Applications	MN611	<i>1 entry per chapter/ entries per region</i>	3
Bring pencils and clipboards for written test			
Essays on Technology	MN612	<i>3 entries per region/ entries per state</i>	3
Flight	MN613	<i>2 entries per chapter/ 6 entries per region</i>	
Forensic Technology	MN614	<i>1 entry per chapter/ entries per region</i>	3
Bring pencils and clipboards for written test			
Inventions & Innovations	MN615	<i>1 entry per chapter/ entries per region</i>	3
Junior Solar Sprint	MN616	<i>1 entry per chapter</i>	
Be sure to bring the required battery pack. Texas TSA will provide AA batteries if race is run inside.			
Leadership Strategies	MN617	<i>1 entry per chapter/ entries per region</i>	3
No semi-finalist round			
Mass Production	MN618	<i>1 entry per chapter/ entries per region</i>	3
Mechanical Engineering	MN619	<i>1 entry per chapter/ entries per region</i>	3

MIDDLE SCHOOL (continued)

Category/Classification #/Entry Limits		Texas TSA Adjustments/Reminders	
Medical Technology Issues	MN620	3 entry per region/ 3 entries per state	
Microcontroller Design	MN621	1 entry per chapter/ 3 entries per region	
Off The Grid	MN622	3 entries per region/ 3 entries per state	
Prepared Speech	MN623	3 entries per region/ 3 entries per state	No Semi-Finalist Round
Problem Solving	MN624	1 entry per chapter/ 3 entries per region	
Promotional Marketing	MN625	1 individual per chapter/3 entries per region	Shortened time for semi-finalist onsite performance
STEM Animation	MN626	3 entries per region/ 3 entries per state	
Structural Engineering	MN627	1 entry per chapter/ 3 entries per region	Semi finalist onsite build for Top Ten teams only.
System Control Technology	MN628	3 entries per region/ 1 entry per state	Shortened set-up time
Tech Bowl	MN629	1 entry per chapter/ 3 entries per region	Bring pencils and clipboards for written test
Technical Design	MN630	1 entry per chapter/ 3 entries per region	Bring pencils and clipboards for written test
Video Game Design	MN631	1 entry per chapter/ 3 entries per region	ONLINE PRE-SUBMIT. Information on how to turn in will be on the Texas TSA Website in March.
Website Design	MN632	1 entry per chapter/ 3 entries per region	ONLINE PRE-SUBMIT. Information on how to turn in will be on the Texas TSA Website in March.