



**APRIL  
3-5, 2025**

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**HIGH SCHOOL  
COMPETITION  
GUIDELINES**



## On-line Submission Guidelines

**PDF documents:** All documents must be in Portable Document Format (PDF). The competition component upload platform accepts only PDF files. The file size limit is 30 MB.

**URL link:** A web-based platform that judges will use to access and view competition components. Competitors must ensure that access to the URLs is not password-protected. Any links or documents that cannot be accessed will not be judged (including those stored in Google Drive).

**Submission Confirmation:** When uploading the pre-conference submission competition components, advisors can select “Print Confirmation” (produces a PDF to save or print) and/or “Email Confirmation” (sends an email to the address entered in the student member account) to confirm the submission upload.

### Video URL

1. Participants may choose any video hosting site (such as an UNLISTED YouTube URL), or a shareable link in cloud storage, as long as the video is located online and accessible for evaluation. If a URL is provided, the URL must point directly to the participant’s entry.
2. Entries that require a software download or a request that access be granted will not be judged.
3. The video entry must be submitted in a common video format suitable for viewing with VLC Player, utilizing a Microsoft Windows operating system.
4. Entries received, or changes made to submitted entries after the deadline will not be judged.

### Programming URLs (Video Games and Computer Programs)

1. All online game submissions must be a hyperlink to the online game and be accessible for evaluation by the deadline posted. Participants may choose the hosting site, but the hyperlink must point directly to the entry. Entries that request access be granted will not be judged.
2. Entries received, or changes made to submitted entries after this deadline will not be judged.
3. The URL must point to the team’s entry. Entries or demonstration videos that require a software download, running an executable file (.exe), or a request that access be granted will not be judged.

### Audio Files

1. Participants may choose any video hosting site (such as an UNLISTED YouTube URL), or a shareable link in cloud storage, as long as the video is located online and accessible for evaluation. If a URL is provided, the URL must point directly to the participant’s entry.
2. Entries that require a software download or a request that access be granted will not be judged.
3. The video entry must be submitted in a common video format suitable for viewing with VLC Player, utilizing a Microsoft Windows operating system.
4. Entries received, or changes made to submitted entries after the deadline will not be judged.

Texas TSA Competition Guidelines

Texas TSA High School NQE Modifications Chart					
Event Name	Pre Submits - March 20th, 6 pm CST	Onsite Prelim Round <i>*Due to the number of entries, some events may utilize tiered judging. Please refer to the National Competitive Events Guide for more information on Tiered Judging</i>	Onsite Semi Final Round	Texas TSA Modifications	Regional Advancement Limit
Animatronics	-	Presentation of Device	None. One round only.	Prelim Round Only	3 per region, no per chapter restriction
Architectural Design	-	Model & Portfolio <b>Bring Hard Copy of Portfolio - Max Sheet Size B Do NOT bring Portfolio on USB</b>	Interview	Portfolio will be turned in with model as hardcopy. No pre-submit.	3 per region, but only one per chapter
Audio Podcasting	URL of Audio Podcast Portfolio (PDF)		Interview	None - Will run as written	3 per region, no per chapter restriction
Biotechnology Design	-	Display & Portfolio	Interview	None - Will run as written	3 per region, but only one per chapter
Board Game Design	-	Game & Portfolio <b>Bring Hard Copy of Portfolio Do NOT bring Portfolio on USB</b>	Interview	Portfolio will be turned in with model as hardcopy.	3 per region, but only one per chapter
CAD Architecture	-	Practical Per National Rules: TSA will not provide internet. Students may use hotspots but TSA does not guarantee connectivity. See Comp Events Guide page 119 Ensure your students know how to export to PDF!	N/A	Shortened drawing time Modified rubric may be used, dependant upon number of entries USB not required	3 per region, but only two per chapter
CAD Engineering	-	Practical Per National Rules: TSA will not provide internet. Students may use hotspots but TSA does not guarantee connectivity. See Comp Events Guide page 127 Ensure your students know how to export to PDF!	N/A	Shortened drawing time Modified rubric may be used, dependant upon number of entries USB not required	3 per region, but only two per chapter
Chapter Team	-	Test	Practical	None - Will run as written	3 per region, but only one per chapter
Children's Stories		Storybook & Portfolio	Interview	None - Will run as written	3 per region, no per chapter restriction
Coding	-	Written Test Top 20 teams advance to semi-finals	<b>Practical No power or wifi provided and neither can be used during semi finals. See Comp Events Guide page 112.</b>	Number of semi-finalists will be 20.	3 per region, no per chapter restriction
Data Science and Analytics	Portfolio (PDF)	Presentation of Scientific Poster (Top 20 Only) Per National rules, no wifi or power provided. See Comp Events Guide page 135.	Onsite Practical for Top 10	Will run as written, with the exception of the number of advancing teams in rounds.	3 per region, no per chapter restriction
Debating Technology Issues	-	Debate & References Sheet (turn in to judges)	None. One round only.	Prelim Round Only Times will be pre-assigned by contest team	<b>2 per region, no per chapter restriction</b>
Digital Video Production	Portfolio (PDF) & URL of Video	-	Interview	None - Will run as written	3 per region, no per chapter restriction

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Dragster Design	-	Drawing, Car, Materials List, and Race	Race	Time trials only. No double elimination No interview.	3 per region, but only two per chapter
Drone Challenge	-	Drone Obstacle Course and Portfolio <b>Bring Hard Copy of Portfolio</b> <b>Do NOT bring Portfolio on USB</b> <b><u>Bring the following safety equipment:</u></b> -2 Welding Blankets -Safety glasses for entire team -2 Hi-Visibility Safety Vests (One for pilot, one for spotter) -2 Hard hats (One for pilot, one for spotter)	N/A	Interview will be done during obstacle course runs	3 per region, no per chapter restriction
Engineering Design	-	Display, Prototype, & Portfolio <b>Bring Hard Copy of Portfolio</b> <b>Do NOT bring Portfolio on USB</b>	Interview	None - Will run as written	3 per region, no per chapter restriction
Extemporaneous Speech	-	Practical	None. One round only.	Times will be preassigned by contest team	<b>2 per region, no per chapter restriction</b>
Fashion Design and Technology	-	Garments, Portfolio, Patterns, and Storage Box Per National Rules, no mannequins or hangers are allowed. See Comp Events Guide page 200	Semi Finalist Presentations	None - Will run as written	3 per region, no per chapter restriction
Flight Endurance	-	Plane, Box, Portfolio, Safety glasses Flights	N/A	Will run as written. Students must bring all necessary items to fly planes - safety glasses, motor winders, winding stooges, etc. Per National rules, these are not provided.	3 per region, but only two per chapter
Forensic Science	-	Test	Onsite Practical	None - Will run as written	3 per region, but only one per chapter
Future Tech & Engineering Teacher	Portfolio (PDF)	-	Presentation of Activity	None - Will run as written	3 per region, no per chapter restriction
Geospatial Technology	Portfolio (PDF)	Visual Infographics Map (Top 20 Only)	Presentation/Interview	Will run as written, with the exception of the number of advancing teams in rounds.	3 per region, but only one per chapter
Manufacturing Prototype	-	Portfolio and Prototype	Interview	None - Will run as written	3 per region, but only one per chapter
Music Production	Portfolio (PDF) & URL of Music	-	Interview	None - Will run as written	3 per region, no per chapter restriction
On Demand Video	-	URL of video and Copyright Checklist (PDF) to be submitted online with instructions provided onsite by Contest Team.	None. One round only.	None - Will run as written	3 per region, but only one per chapter

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Photographic Technology	Portfolio (PDF)	-	Onsite Practical <b>Reminder: USBs will not be returned</b>	None - Will run as written	3 per region, but only one per chapter
Prepared Presentation	-	Practical <b>As a reminder: students present off their laptop screens. No projectors are allowed.</b>	None. One round only.	Prelim Round Only Times will be pre-assigned by contest team	<b>2 per region, no per chapter restriction</b>
Promotional Design	-	Promotional Folder, portfolio, and required envelope	Onsite Practical Per National Rules: TSA will not provide power or internet. Students may use hotspots but TSA does not guarantee connectivity. See Comp Events Guide page 278 USB Drives will not be returned.	None - Will run as written	3 per region, no per chapter restriction
Senior Solar Sprint	-	<b>Portfolio, Car, &amp; Shoebox Display</b> <b>Bring Hard Copy of Portfolio</b> <b>Do NOT bring Portfolio on USB</b> Due to construction at FWCC will run indoors TXTSA will provide AA batteries.	Race	Only one time trial. No interview. Portfolio submitted with car on hard copy.	3 per region, but only one per chapter
Software Development	-	Presentation Wifi not provided. Students may use hotspot but no guarantees are made for connectivity. See Comp Events Guide page 306	None. One round only.	Prelim Round Only Times will be pre-assigned by contest team	3 per region, but only one per chapter
STEM Mass Media	Portfolio (PDF) & URL of Video	-	On Site Practical Contest team will determine submission process and provide directions to competitors.	Turn around time on semi finals may be shortened.	3 per region, but only one per chapter
Structural Design and Engineering	-	Pre-Built Structure & Documentation	12 teams will do onsite build and	Number of semi-finalists is smaller, but otherwise this event will run as written	3 per region, but only one per chapter
System Control Technology	-	Onsite Practical	None. One round only.	None - Will run as written	<b>3 per region, no per chapter restriction</b>
Technology Bowl	-	Written Test	Oral Rounds	None - Will run as written	3 per region, but only one per chapter
Technology Problem Solving	-	Practical	None. One round only.	None - Will run as written	3 per region, but only one per chapter
Transportation Modeling	-	Model, Display, and Portfolio	Interview	None - Will run as written	3 per region, but only one per chapter
Video Game Design	Portfolio (PDF), URL of Game, & URL of Demo Video	-	Interview	None - Will run as written	3 per region, no per chapter restriction
Virtual Reality Visualization	Video (URL) and Portfolio (PDF)	-	Interview	None - Will run as written	3 per region, but only one per chapter

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Webmaster	URL of Website	-	Interview	None - Will run as written	3 per region, but only one per chapter

Texas TSA Competition Guidelines

Texas TSA High School UTE On-Site Modifications Chart		
Event Name	Onsite	State Advancement Limits
HS UTE Hot Rod CO2 Car Competition - Wood	Car and Portfolio, and Race	5 Per Region, No Per Chapter Restriction
HS UTE Hot Rod CO2 Car Competition - ABS Plastic	Car and Portfolio, and Race	5 Per Region, No Per Chapter Restriction
HS UTE CO2 Research Racer - Wood	Car and Portfolio, and Race	5 Per Region, No Per Chapter Restriction
HS UTE CO2 Research Racer - ABS Plastic	Car and Portfolio, and Race	5 Per Region, No Per Chapter Restriction
HS UTE RC Vehicle	Car and Portfolio, and Race Texas TSA liability Release	5 Per Region, No Per Chapter Restriction
HS UTE Drone Competition	Drone and Portfolio Safety Glasses and Hard Hats Required Texas TSA Liability Release	5 Per Region, No Per Chapter Restriction
HS UTE Catapult/Trebuchet	Catapult/Trebuchet and Portfolio Safety Glasses are Required Texas TSA Liability Release	5 Per Region, No Per Chapter Restriction
HS UTE Animation	Participating schools must supply all necessary software, hardware, paper, etc. Internet will not be provided	5 Per Region, No Per Chapter Restriction
HS UTE Graphic Design, Artistic	Participating schools must supply all necessary software, hardware, paper, etc. Internet will not be provided	5 Per Region, No Per Chapter Restriction
HS UTE Multimedia Presentation	Participating schools must supply all necessary software, hardware, paper, etc. Internet will not be provided	5 Per Region, No Per Chapter Restriction
HS UTE Technology Problem Solving	The only items that may be taken into the contest area are: flat drawing surface, such as a clipboard, (maximum size of 12 x 16 inches), pencils and eraser.	5 Per Region, No Per Chapter Restriction
HS UTE Architecture and Construction	The only items that may be taken into the contest area are: flat drawing surface, such as a clipboard, (maximum size of 12 x 16 inches), pencils and eraser.	5 Per Region, No Per Chapter Restriction
HS UTE Engineering Design	The only items that may be taken into the contest area are: flat drawing surface, such as a clipboard, (maximum size of 12 x 16 inches), pencils and eraser.	5 Per Region, No Per Chapter Restriction
HS UTE Promotional Design and Marketing	The only items that may be taken into the contest area are: flat drawing surface, such as a clipboard, (maximum size of 12 x 16 inches), pencils and eraser.	5 Per Region, No Per Chapter Restriction
HS UTE Manufacturing Design	The only items that may be taken into the contest area are: flat drawing surface, such as a clipboard, (maximum size of 12 x 16 inches), pencils and eraser.	5 Per Region, No Per Chapter Restriction
HS UTE Information Technology	The only items that may be taken into the contest area are: flat drawing surface, such as a clipboard, (maximum size of 12 x 16 inches), pencils and eraser.	5 Per Region, No Per Chapter Restriction
HS UTE Bio-technology	The only items that may be taken into the contest area are: flat drawing surface, such as a clipboard, (maximum size of 12 x 16 inches), pencils and eraser.	5 Per Region, No Per Chapter Restriction
HS UTE Promotional Video	Submit a hyperlink of video solution and the student copyright checklist	5 Per Region, No Per Chapter Restriction
HS UTE Social Media Marketing	Submit a single PDF file of social media content and a documentation portfolio.	5 Per Region, No Per Chapter Restriction

Texas TSA High School UTE Project Modifications Chart				
SubSection	Classification Numbers	Pre Submits - March 20th, 6 pm CST	Onsite	State Advancement Limit
Exploratory	HP00000-HP00300		Project & Project Documentation	7 Per Region, No Per Chapter Restriction
	HP01000		Project & Project Documentation	7 Per Region, No Per Chapter Restriction
	HP01100	URL of Video - See Online Submission Guidelines PDF of Documentation		7 Per Region, No Per Chapter Restriction
	HP01200	PDF of Code PDF of Documentation		7 Per Region, No Per Chapter Restriction
	HP01300	PDF of Photo PDF of Documentation		7 Per Region, No Per Chapter Restriction
	HP02000-HP02200		Project & Project Documentation	7 Per Region, No Per Chapter Restriction
	HP03000-HP03100		Project & Project Documentation	7 Per Region, No Per Chapter Restriction
CNC/CAM & 3D Printing	HP10000-HP10406		Project & Project Documentation	7 Per Region, No Per Chapter Restriction
Wood	HP11000-HP11204		Project & Project Documentation	7 Per Region, No Per Chapter Restriction
Metal	HP12000-HP12200		Project & Project Documentation	7 Per Region, No Per Chapter Restriction
Other Materials	HP13000-HP13504		Project & Project Documentation	7 Per Region, No Per Chapter Restriction
Graphic Design	HP20000-HP20206		Project & Project Documentation	7 Per Region, No Per Chapter Restriction
	HP20300-HP20303	PDF of Report PDF of Documentation		7 Per Region, No Per Chapter Restriction
Multimedia and Animation	HP21000-HP21001	PDF of Presentation PDF of Documentation		7 Per Region, No Per Chapter Restriction
	HP21100-HP21101	URL of Audio- See Online Submission Guidelines PDF of Documentation		7 Per Region, No Per Chapter Restriction
	HP21200-HP21212	URL of Video - See Online Submission Guidelines PDF of Documentation		7 Per Region, No Per Chapter Restriction
	HP21300-HP21306	PDF of Image PDF of Documentation		7 Per Region, No Per Chapter Restriction
	HP21400-HP21506	URL of Video - See Online Submission Guidelines PDF of Documentation		7 Per Region, No Per Chapter Restriction
Computer Science	HP22000-HP22002	URL of of Webpage PDF of Documentation		7 Per Region, No Per Chapter Restriction
	HP22100-HP22202	URL to Video of Student Demonstrating Video Game/ Program PDF of Code PDF of Documentation		7 Per Region, No Per Chapter Restriction
Photography	HP23000-HP23903	PDF of Photo PDF of Documentation		7 Per Region, No Per Chapter Restriction
Engineering	HP30000-HP30404		Project & Project Documentation	7 Per Region, No Per Chapter Restriction



Texas TSA High School UTE Project Modifications Chart				
SubSection	Classification Numbers	Pre Submits - March 20th, 6 pm CST	Onsite	State Advancement Limit
	HP30500	PDF of Image PDF of Documentation		7 Per Region, No Per Chapter Restriction
	HP30501-HP30503	URL of Video - See Online Submission Guidelines PDF of Documentation		7 Per Region, No Per Chapter Restriction
Architecture	HP31000-HP31205		Project & Project Documentation	7 Per Region, No Per Chapter Restriction
	HP31300-HP31301	PDF of Image PDF of Documentation		7 Per Region, No Per Chapter Restriction
	HP31302-HP31305	URL of Video - See Online Submission Guidelines PDF of Documentation		7 Per Region, No Per Chapter Restriction
	HP31400-HP31405		Project & Project Documentation	7 Per Region, No Per Chapter Restriction
Models	HP32000-HP32303		Project & Project Documentation	7 Per Region, No Per Chapter Restriction
Displays & Portfolios	HP40000-HP40701		Project & Project Documentation	7 Per Region, No Per Chapter Restriction
Models and Prototypes	HP41000-HP41206		Project & Project Documentation	7 Per Region, No Per Chapter Restriction