



2022 NATIONAL TSA CONFERENCE

June 26–June 30, 2022 • Dallas, Texas

“Discover Your Journey”

CONFERENCE PROGRAM

#TeamTSA



2022 National TSA Conference Conference Program



Table of Contents

Welcome.....	3
General Information.....	4
Conference Highlights.....	4
Conference App.....	5
Transportation Information.....	5
Emergency/Security Information.....	6
General Sessions.....	7
Dress Code.....	7
Competition Requirements.....	8
Semifinalist and Finalists.....	8
TSA Meet and Greet.....	8
Leadership Training Workshops.....	9
Advisor Update Meetings.....	9
2022-2023 National TSA Officer Candidates.....	10
2021-2022 Special Award Recipients.....	11
2021-2022 State Superlative Membership Awards.....	11
Technology Honor Society.....	11
2021-2022 Chapter Membership Milestones.....	12
2021-2022 TSA Chapter Advisor of the Year Awards.....	14
Special Interest Sessions.....	15
State Delegation Meetings.....	16
State Delegation Photo Schedule.....	17
Code of Ethics.....	18
Competitive Events Check-in Schedule.....	19
Competitive Events Schedule – HS.....	20
Competitive Events Schedule – MS.....	25
Program of Activities.....	30
Spectator Events – HS/MS.....	38

2020-2021 National TSA Officers



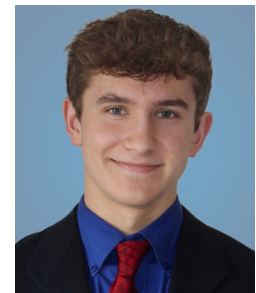
PRESIDENT
Gowri Rangu
Longview HS
Longview, TX



VICE PRESIDENT
Alyssa Haider
Dickinson HS
Dickinson, ND



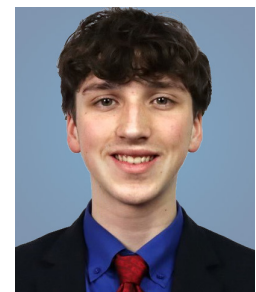
SECRETARY
Esha Bolar
Johnston HS
Johnston, IA



TREASURER
Evan Grove
South Western HS
Hanover, PA



REPORTER
Arnav Dhingra
Downingtown STEM
Academy
Downingtown, PA



SERGEANT-AT-ARMS
Avery Broggi
Plymouth Whitemarsh HS
Plymouth Whitemarsh, PA

Welcome

to the 2022 National TSA Conference



Greetings fellow TSA members,

Welcome to the 2022 National TSA Conference! On behalf of the national TSA officer team, we look forward to meeting and connecting with all of you as we celebrate the reunion of our organization after three years apart. Whether you are competing, attending a general session, or exploring the great city of Dallas with your chapter, we encourage you to treasure every moment of this conference.

Our conference theme, “Discover Your Journey” is an embodiment of our organization’s ideals: innovation and leadership, especially in the face of adversity. Even through a pandemic, you have continued to embark and thrive on your TSA and personal journeys. This national conference is one of the many highlights that you will celebrate on your path toward success.

Over the coming days, we hope you take time to be in the present, and enjoy the company of those around you, whether that be old or new friends. This conference is a time to celebrate our accomplishments and aspire for our futures as leaders of the technical world.

As a native Texan, I am beyond excited to welcome you all to my home state and witness your brilliance firsthand. Serving as your national TSA president has been such an honor and blessing. In my eyes, there is no greater privilege than representing all 250,000 TSA members. Thank you for allowing me to take part in your TSA journey.

Good luck in all of your competitions! The national TSA officers and I truly cannot wait to see you discover your journey at the 2022 National TSA Conference.

Sincerely,

A handwritten signature in black ink that reads "Gowri Rangu". The signature is fluid and cursive, with a large initial "G" and "R".

Gowri Rangu
2021-2022 National TSA President

General Information

Registration/Information Desk

The TSA Registration/Information Desk is located at Texas Ballroom Registration Desk C and will be open the following hours:

Sunday, June 26	4:00 PM – 8:00 PM
Monday, June 27	8:00 AM – 5:00 PM
Tuesday, June 28	8:00 AM – 5:00 PM
Wednesday, June 29	8:00 AM – 5:00 PM
Thursday, June 30	8:00 AM – 10:00 AM

TSA Store

The 2022 National TSA Conference store is located in Longhorn Hall Reg D/E and will be open the following hours:

Monday, June 27	9:00 AM – 5:00 PM
Tuesday, June 28	9:00 AM – 5:00 PM
Wednesday, June 29	9:00 AM – 5:00 PM

FedEx Store/Business Center

The FedEx Store/Business Center is located on Level 1 of the Gaylord Texan Resort. Hours are 7:00 AM – 7:00 PM every day of the week and offers off-hour printing orders via email. 817-778-2182. usa5518@fedex.com.

Lost and Found Policy

National TSA is not responsible for any items that are lost during the conference. Any lost items can be turned in to hotel security.

Get Social

Get social with TSA! Use #TeamTSA and tag photos and posts of the 2022 National TSA Conference and around Dallas, Texas on TSA's social media pages. Follow us on:

 @NationalTSA  /NationalTSA  @nationaltsa

Conference Highlights

Opening General Session

Monday, June 27; 9:00 AM – 11:00 AM Texas Ballroom

The opening general session will feature Kendall Hadden from Emanuel County Institute singing the National Anthem and a special performance of America the Beautiful by Tiffany Ashton. Kent Julian, national youth leadership speaker and trainer, will deliver the keynote address. Doors will open at 8:00 AM.

TSA Pin Exchange

Monday, June 27; 11:00 AM – 11:30 AM

Tuesday, June 28; 11:00 AM – 11:30 AM

Grapevine Ballroom Pre-Function

Attendees have the opportunity to share and exchange pins for one-half hour after the first two general sessions.

TSA Meet and Greet

Tuesday, June 28, 1:00 PM – 5:00 PM

Convention Center Pre-function

At the TSA Meet and Greet, network with representatives from companies, universities, non-profit associations, and other organizations that support STEM and IT education and careers. The TSA Meet and Greet also offers opportunities to learn about the 2022–2023 national TSA officer candidates' platforms.

Leadership Training Workshop –

“Heroic Leadership – It’s Not What You Think”

Monday, June 27

San Antonio 2

1:30 PM – 2:30 PM – High school members

3:30 PM – 4:30 PM – Middle school members

During this interactive and engaging workshop, you'll learn the true secret to being a heroic leader... and it's probably not what you think. If you love Superhero Movies with great plots and tons of action, you'll love this unique and insightful experience.

Leadership Training Workshop –

“Bust Your Signature Moves – Understanding Your Greatest Strengths (and the Strengths of Those Around You)”

Tuesday, June 28

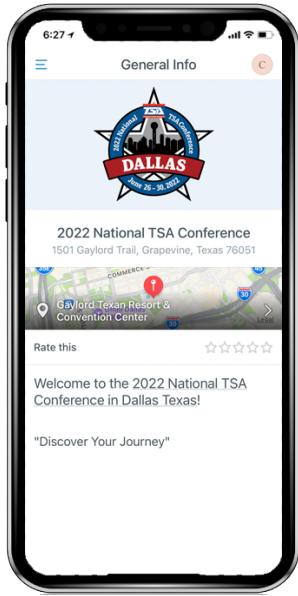
San Antonio 2

1:30 PM – 2:30 PM – Chapter Advisors

3:30 PM – 4:30 PM – High school members

The best leaders have a signature move, and they know how to use it. In this fun and engaging workshop, participants discover their “signature moves” (aka – personal strengths and talents) and the best strategies to “bust their moves.” Get ready to laugh a lot and learn even more!

Conference App



The 2022 National TSA Conference app offers attendees access to competitive event schedules, semifinalist and finalist postings, conference highlights and the full program of activities. Attendees will also receive important conference information through app push notifications.

The app can be accessed through the email invitation sent to all registered attendees from Guidebook.

For more information, visit the [TSA website](#).

Transportation Information

Complimentary TSA Shuttles

Complimentary shuttle service is available to 2022 National TSA Conference registered attendees staying at the Hilton DFW Lakes Executive Conference Center, and the Embassy Suites to the Gaylord Texan Resort and Convention Center. Shuttle Service will be available in the morning and evening with limited service in the afternoon. Guests may board the shuttles by showing their name badge and wristband provided during check in at the two overflow properties.

Be sure to plan ahead! Leave yourself plenty of time to arrive for your events.

Stops:

- Gaylord Texan Resort and Convention Center (Convention Center Entrance)
- Embassy Suites (side entrance underneath the Convention Center Circle Drive by the parking lot)
- Hilton DFW Lakes (just to the right of the Convention Center Circle Drive)

Hours of Operation:

- Sunday: 12:00 PM – 10:00 PM
- Monday-Wednesday: 7:00 AM – 10:00 PM
- Thursday: 6:30 AM – 11:30 AM

Things to Note:

- Storage space is available underneath each Gaylord Texan shuttle
- Buses are not ADA accessible. Please email txtransportation@gaylordhotels.com by 6/20/22 to make ADA arrangements.
- Shuttles will never wait at the hotel longer than 10 minutes with guests on board.

Daily National TSA Conference Attendee Parking

Attendees who are parking at the Gaylord Texan Resort can pick up a discount (\$11) sticker at the TSA Information Desk during open hours. Daily parking fees do not include in and out.

The TSA Registration/Information Desk is located at Texas Ballroom Registration Desk C and will be open the following hours:

- | | |
|----------------------|--------------------|
| • Sunday, June 26 | 4:00 PM – 8:00 PM |
| • Monday, June 27 | 8:00 AM – 5:00 PM |
| • Tuesday, June 28 | 8:00 AM – 5:00 PM |
| • Wednesday, June 29 | 8:00 AM – 5:00 PM |
| • Thursday, June 30 | 8:00 AM – 10:00 AM |

Emergency/Security Information

Conference Safety and Security

The safety and security of TSA members who attend the conference is of the utmost concern to the governing body of TSA. On site there are security guards provided by the hotel and TSA who work closely with local law enforcement. In addition, daily advisor update meetings provide information on how to report any security issues that may arise. As a necessary precaution TSA enforces the following procedures:

- ALL participants must register for the conference.
- Identification (name badges) must be worn on the chest at all times by all participants during the conference.
- Curfew is at 10:00 PM. After that time an adult must accompany any student/s when outside of assigned rooms.
- The conference is not “open to the public.”

This includes any item of monetary or personal value, including items used in competitive events. TSA accepts no responsibility for replacement of lost, misplaced, or stolen items and will not replace such items. This policy applies to all attendees and includes the conference management team and CRC members.

Please be advised that personal items brought to the conference for use at the conference are the sole responsibility of the attendee who chooses to bring the items. If a participant chooses to bring items of value, s/he is responsible for their safekeeping at all times.

Gaylord Texan Resort Safety and Security

All guests are encouraged to review the safety and security guidelines included in the guest room key packet given at check-in, as well as safety information located in each guest room. All conference participants should determine a safety plan as hotel guests.

This plan should include:

- Reviewing the emergency exit information provided in sleeping rooms.
- Checking for exits in meeting rooms – especially the nearest exit to your seat in the general session ballroom.
- Leaving a room immediately in case of an emergency. Do not take time to gather any belongings.
- Having a pre-determined central place to meet your chapter members outside of the hotel if the hotel has been evacuated.
- Not opening your hotel door to people you do not know.
- Traveling in pairs. Always let your chapter advisor or parent know your whereabouts.
- Follow any rules set forth by your chapter advisor.
- If you see something...say something.

The Gaylord Texan Resort and Convention Center is committed to providing a safe and secure environment for all guests. All Safety Service agents are trained first responders and certified for both CPR and AED. A Safety Services leader is available 24-hours a day by dialing extension 333 from any house phone should a guest wish to discuss any issues.

Hotel Alarm System

In the event that an alarm is activated, an announcement will be made via the hotel’s public address system regarding the situation and what action to take, if necessary. Please note that the fire department responds to all alarms, therefore, it is not unusual for them to be on property when an alarm is activated. The hotel’s public address system is used only in emergency situations.

In Case of Emergency at Gaylord Texan Resort Call:

Emergency: 333	Lost and Found: 54520
Security/Safety: 54500	Hotel Operator: 0
Fire Department: 9-911	

Medical Facilities

Emergency/Urgent Care

Baylor Regional Medical Center
1650 College Street
Grapevine, Texas 76051
EMERGENCY: 817-481-1588

First Choice Emergency

5000 SH 121
Colleyville, TX 76034
817-836-4003
24 Hours

Carenow Emergency Care Clinic

2751 E State Hwy 114
Southlake, TX 76092
817-749-0155
Monday-Friday: 8:00 AM – 9:00 PM
Saturdays: 8:00 AM – 8:00 PM
Sunday: 8:00 AM – 5:00 PM

Pharmacies

Walgreens

912 W. Northwest Hwy
Grapevine, TX 76051
817-310-3072
Monday-Friday: 8:00 AM – 10:00 PM
Saturdays: 9:00 AM – 6:00 PM
Sunday: 10:00 AM – 6:00 PM

CVS – 24 Hours

100 W. Corporate Dr.
Lewisville, TX 75067
972-459-7725

General Sessions

All general sessions will take place in the **Texas Ballroom**. Please be aware that the ballroom will be at full capacity during every general session. If you plan on sitting with a group, be sure your group is together prior to entering the ballroom. Saving seats will not be allowed.

Opening General Session – General Session I

Monday, June 27; 9:00 AM – 11:00 AM

The 2022 National TSA Conference will open with the Parade of State Flags recognizing state officers. Kendall Hadden from Emanuel County Institute will sing the National Anthem, and a special performance of America the Beautiful will be presented by Tiffany Ashton. Kent Julian, national youth leadership speaker and trainer, will deliver the keynote address. Special awards will be presented. Doors will open at 8:00 AM.

Recognition Assembly – General Session II

Tuesday, June 28; 9:00 AM – 11:00 AM

National TSA officer candidates will deliver their campaign speeches. Also, national membership awards and special awards will be presented. The American Cancer Society will award certificates. Doors will open at 8:00 AM.

Business Meeting – General Session III

Wednesday, June 29; 9:00 AM – 11:00 AM

Voting Delegate Seating; 7:00 AM – 7:30 AM

TSA's annual business meeting includes the election of national TSA officers by the voting delegates. Doors will open at 7:00 AM.

Awards Ceremony – General Session IV

Thursday, June 30; 8:00 AM – 11:00 AM

The highlight of the national conference is the awards ceremony, which recognizes all national competitive event finalists. Trophies are awarded to the top three finalists in each category. Finalist pins are awarded to the top ten finalists and their chapter advisors. Doors will open at 7:00 AM.

**No bags larger than the TSA drawstring backpack will be permitted at any of the general sessions. All bags are subject to inspection. National TSA is not responsible for lost or stolen items.*

Dress Code

Conference Attendees

Everyone who attends the National TSA Conference—including parents, guests, and children—must comply with the TSA Dress Code policy.*

Required Competition Attire

Shirt: official royal blue TSA shirt

Pants or skirt: gray

Shoes: black dress shoes worn with black or dark blue socks, hosiery (optional); open-toed shoes or sandals are acceptable (unacceptable: athletic shoes; flip-flops; military boots; or work boots)

Also required for the middle school or high school level Chapter Team event only (but may be worn for other competitions if preferred by participants):

Blazer: navy blue with official TSA patch

Tie: official TSA tie (males)

Females are not penalized for wearing the official TSA tie to Chapter Team or any other competitive event.

General Session Attire

Shirt: the official TSA shirt (royal blue) is preferred, button-down shirt or a polo/golf shirt (unacceptable: t-shirts; halter tops; tank tops)

Dress, skirt, or pants: (unacceptable: jeans; baggy pants; exterior pocket pants; shorts)

Shoes: dress shoes worn with dark socks, hosiery (optional); open-toe shoes or sandals are acceptable (unacceptable: athletic shoes; flip-flops; military boots; or work boots)

Casual Attire

Appropriate T-shirts, shorts, or jeans. Casual attire may not be worn at competitions or General Sessions.

*Registered parents, guests, and children who are not compliant with General Session Attire and who wish to attend the Awards Ceremony, may be asked to sit in a designated section, if permitted entry.

Approved by the TSA, Inc. Board of Directors. The above supersedes any other dress code prior to November 6, 2017.

Competition Requirements

Advisors and students must be aware of the **competition requirements** for the national TSA conference. These include, but are not limited to, the following:

- A laptop or tablet is required for “written” tests and semifinalist submissions for HS Data Science and Analytics, HS On Demand Video, and HS Photographic Technology.
- The laptop or tablet must be Wi-Fi enabled and able to run solely on battery power for up to 2 consecutive hours.
- The written test and competition scoring platforms require that students know and use their Student ID# and password for the national TSA Student Site login.

Semifinalist and Finalists

Semifinalists

Semifinalist lists (in random order) will be posted on-line via the website, TSAweb.org, and on the TSA Mobile App as competitions are judged. Printed lists will also be posted in the Convention Center Pre-function.

A semifinalist is an individual or a team that qualifies to compete in the semifinal round of a event—which usually involves up to twelve competitors—in order to place as a finalist (top ten).

Top Ten Event Finalists

Top ten competitive event finalists in middle and high school events will be posted on TSAweb.org on July 1, 2022.

Trophies and Finalist Pins

National TSA provides one complimentary trophy each to the first, second, and third place winners and lapel pins to the top ten finalists and their advisors. Purchasing duplicate trophies is available to first, second, and third place winners following the conference from First Place Trophy at: info@firstplacetrophy.com.

Following the National TSA Conference

Visit TSAweb.org and click on the links under “What’s New” for important post-conference information, including the conference survey.

TSA Meet and Greet

TSA Meet and Greet

Tuesday, June 28; 1:00 PM – 5:00 PM

Convention Center Pre-function

National TSA fosters connections with organizations in STEM-related fields that support the enhancement of personal development, leadership, and STEM education and careers for TSA members. At the **Meet and Greet**—learn about opportunities to help you succeed in STEM.

- 2021–2022 National TSA Officers
- 2022–2023 National TSA Officer Candidates
- American Cancer Society
- G-W Publisher
- ITEEA
- NASA HUNCH
- NASEF (North America Scholastic Esports Federation)
- Remote Area Medical
- Stokes Educational Services
- Verisurf Metrology Software & Hardware

Leadership Training Workshops

Kent Julian (national youth leadership speaker and trainer) will conduct leadership training workshops. Pre-registration is not required. All sessions will be held in San Antonio 2.

Heroic Leadership – It’s Not What You Think

Monday, June 27

San Antonio 2

1:30 PM – 2:30 PM – High school members

3:30 PM – 4:30 PM – Middle school members

During this interactive and engaging workshop, you'll learn the true secret to being a heroic leader... and it's probably not what you think. If you love Superhero Movies with great plots and tons of action, you'll love this unique and insightful experience.

Bust Your Signature Moves – Understanding Your Greatest Strengths (and the Strengths of Those Around You)

Tuesday, June 28

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1:30 PM – 2:30 PM – Chapter Advisors

3:30 PM – 4:30 PM – High school members

The best leaders have a signature move, and they know how to use it. In this fun and engaging workshop, participants discover their “signature moves” (aka – personal strengths and talents) and the best strategies to “bust their moves.” Get ready to laugh a lot and learn even more!

Advisor Update Meetings

Chapter advisors (and parents serving as advisors for chapters at this conference) are required to attend daily TSA advisor meetings in Grapevine Ballroom A to receive important information about the conference.

TSA will not distribute or sell advisor gifts at the information desk. Advisors may only obtain their gifts by attending the daily advisor update meetings on the day the gift is distributed.

Attending advisors will receive the following gift each day.

Monday, June 27; 11:30 AM – 12:30 PM

TSA Banner

12:30 PM – 12:45 PM

First-time attending advisors and parents serving as advisors are asked to stay after the meeting.

Tuesday, June 28; 11:30 AM – 12:30 PM

National TSA Conference Mug

Wednesday, June 29; 11:30 AM – 12:30 PM

TSA lunch bag

2022-2023 National TSA Officer Candidates

Candidates for President



Mihir Bhatia



Esha Bolar

Candidates for Vice President



Ben Moldovsky



Carson Schmitt

Candidates for Secretary

No Candidates

Candidate for Treasurer



Shreemayi Undavalli

Candidate for Reporter



Samra Iqbal

Candidates for Sergeant-at-Arms



David Marquez



Sami Vallury

National TSA Officer Elections

The election of the 2022-2023 national officer team will take place through the TSA conference app. This voting method allows for efficient run-offs and for the results of the election to remain anonymous until they are announced at the awards general session. Please make sure that your cell phone is fully charged for the business meeting. See page 5 of the conference program for directions on downloading the app.

Conference app voting requires that:

1. All voting delegates be present at the business meeting.
2. Each voting delegate use his/her charged cell phone to vote.

Officer Candidate Campaign

Meet the 2022-2023 national TSA officer candidates at the TSA Meet and Greet on Tuesday, June 28, from 1:00 PM to 5:00 PM. Candidates will be at their campaign tables in the Convention Center Pre-function. Voting for the candidates will take place on Wednesday, June 29, during the annual business meeting in the Texas Ballroom. Voting delegate seating takes place from 7:00 AM to 7:30 AM.

Chartered states have one vote for each state officer (six maximum), plus two additional votes for each affiliated chapter in the state delegation in attendance. Voting delegates must be present. A registered parliamentarian will be present. The election of the 2022-2023 national officer team will take place through voting via the conference app. Voting delegates should eat prior to the meeting and have their phone charged.

Information Regarding Resolutions

Members interested in formally proposing a resolution at this national conference must follow the guidelines as posted on the national TSA website at TSAweb.org/TSA-Bylaws. All resolution forms must be submitted to national TSA president, Gowri Rangu by 12:00 PM Tuesday, June 28.

2021-2022 Award Recipients

Special Award Recipients

- Distinguished Alumni Award
Amanda Allen
Angela Quarles
- State Advisor of the Year Award
Justin Lauer
- Dr. Bob Hanson Distinguished Student Award
Zachary Fitzjarrell
- William P. Elrod Memorial Scholarship Award
Maria Mackall
- National TSA Alumni Scholarship
Carson Bock

2021–2022 State Superlative Membership Awards

- Largest MS Blue CAP Chapter:** Tomahawk Creek Middle School, Virginia
Largest HS Blue CAP Chapter: Keller Center for Advanced Learning, Texas
Largest MS White CAP Chapter: West Jefferson Middle School, Colorado
Largest HS White CAP Chapter: Innovation Academy, Georgia
State With the Most Middle School Chapters: Oklahoma
State With the Most High School Chapters: Texas
State with the Most Middle School Members: Florida
State with the Most High School Members: Texas
State with the Most Members Overall: Florida
State with the Most Chapters Overall: Georgia
State with the Highest Middle School Membership Growth: New Mexico
State with the Highest High School Membership Growth: Kentucky

Technology Honor Society

Colorado

Heidi Hucke
Powell Middle School
Sophia Martin
Cherokee Trail High School

Florida

Billie Humphreys
Lakewood Ranch High School
Bruce Kolettis
Pine Crest High School
Ashlyn Mcginn
Pine Crest High School
Ty Moore
Braden River High School
Ellis Osborn
Pine Crest High School
Madeline Osinski
Oasis High School
Isabella Pasquale
Braden River High School

Kansas

Abby Otten
Basehor-Linwood High School

New Jersey

Christina Alexandrov
New Providence High School
Anthony Boyle
New Providence High School
Priyanka Dhingra
Union County Vocational-Technical School
Megan Murtaugh
Clearview Regional High School
Siddharth Shankar
Howell Township Middle School North
Aspen Tabar
Clearview Regional High School
Ohio
Ashley Reed
Butler Tech – Lakota West High School

Tennessee

Eli Hicks
Karns High School

Washington

Diana Alvarado
Ellensburg High School
Anders Bergholm
Science and Math Institute
Sonja Caldwell
Everett High School
Madeleine Ernst
Blaine High School
Ella Gebers
Wenatchee High School
Bella Grayson
Gig Harbor High School
Nathan Harrison
Science and Math Institute
Madison McNeal-Martinis
Everett High School
Miranda Nayak
Wenatchee High School
Hannah Phanitchob
Ellensburg High School

Nolan Pierce
Newport High School
Emry Price
Wenatchee High School
Siddharth Saraf
Inglemoor High School
Josephine Shoda
Ellensburg High School
Thea Smith
Goldendale High School
Tommy Stiles
Blaine High School
Andrew Stinson
Ellensburg High School
Seth Tandon
Science and Math Institute
Sara Waywell
Sunnyside High School
West Virginia
Briann Templetonn
Tyler Consolidated High School

2021-2022

White CAP chapters with 30 or more members are part of our 30+ Circle.
Blue CAP chapters with 300 or more members are part of our 300+ Circle.

Chapter Membership Milestones

30+ Circle

Alabama

Baker High School

Colorado

Horizon Middle School

Overland High School Institute of Science and Technology

ThunderRidge High School

West Jefferson Middle School

Georgia

A.R. Johnson Health Sciences & Engineering Magnet School

Buford Middle School

C.A. Gray Junior High School

Chattahoochee High School

Creekview High School

Dawson County High School

Innovation Academy

Lakeside High School

Mill Creek High School

North Gwinnett High School

Putnam County Middle School

River Ridge High School

Shiloh Middle School

Statesboro High School

STEM Academy @ Bartlett

Sumter County Middle School

Walnut Grove High School

Westlake High School

Idaho

Renaissance High School

Indiana

Whitko Career Academy

Mississippi

Brookhaven Technical Center

Harrison County Career & Technical Center

Missouri

Staley High School

Montana

Glacier High School

30+ Circle

New Jersey

Manalapan High School

William R. Satz Middle School

New Mexico

Santa Teresa High School GISD

Oklahoma

Commerce High School

Tennessee

Arlington High School

Collierville High School

Houston High School

Karns High School

Middle School College High School

Northwest Middle School

Ravenwood High School

Sycamore High

Texas

Blanson CTE High School

Dr. Hornedo Middle School

Foster Middle School

Franklin High School

Garcia Middle School

Harmony School of Innovation Sugar Land

Independence High School

Katy High School

La Vega High School

Manvel High School

Ranchview High School

Utah

Ecker Hill Middle School

Lone Peak High School

Virginia

Mills E. Godwin High School

Washington

Eastlake High School

Kirkland Middle School

2021-2022

Chapter Membership Milestones

White CAP chapters with 30 or more members are part of our 30+ Circle.
Blue CAP chapters with 300 or more members are part of our 300+ Circle.

300+ Circle

Alabama

Brewbaker Tech Magnet High School

Delaware

Seaford Middle School
Sussex Central High School

Florida

Central Middle School
Heron Creek Middle School
Louise R. Johnson Middle School
Mainland High School
McIntosh Middle School
Middleton High School
Milwee Middle School
North Port High School
Pine View School
Riverview High School
Sarasota High School
Southeast High School

Georgia

Champion Theme Middle School
Harris County Carver Middle School
Henderson Middle School
Lakeside Middle School
Lithonia Middle School
Little Mill Middle School
M.M. Bethune Middle School
Midtown High School
Ottwell Middle School
South Forsyth Middle School
Tucker Middle School
Woodville Tompkins Technical & Career High School

Iowa

Dallas Center Grimes High School
Johnston High School
Johnston Middle School
Pella High School – Career Academy

Kentucky

Atherton High School
Bryan Station High School
Camp Ernst Middle School
Grant County Middle School

300+ Circle

Mississippi

SOCSD Partnership Middle School

Missouri

Frontier STEM High School

Montana

Bozeman High School
Gallatin High School

New Jersey

Colts Neck High School
High Point Regional High School
Howell High School
Howell Township Middle School North
Howell Township Middle School South
Union County Vocational-Technical School

New Mexico

Pecos Cyber Academy High School
Pecos Cyber Academy Middle School

North Carolina

Hanes Magnet School Middle School

Ohio

Northmont Middle School

Oklahoma

Capps Middle School
Centennial Middle School
Central Junior High
Claremore Will Rogers Junior High School
Clyde Boyd Middle School
Memorial Middle School
MooreWest Junior High School

Pennsylvania

Bala Cynwyd Middle School
Colonial Middle School
Daniel Boone Middle School
Gettysburg Area High School
Northern Cambria Middle School
Plymouth Whitmarsh High School

300+ Circle

South Carolina

The Center for Advanced Technical Studies

Texas

Bel Air High School
Bridgeland High School
Captain John L. Chapin High School
Carthage High School
Cleburne High School
Cypress Woods High School
Eastlake High School
El Dorado High School
Hutto High School
Jersey Village High School
John Dubiski Career High School
Keller Center for Advanced Learning
MacArthur High School, Irving ISD
McKinney High School
Montwood High School
Pebble Hills High School
Socorro High School
Stephen F. Austin Middle School
Texas Virtual Academy at Hallsville
The Episcopal School of Dallas
Theodore Roosevelt High School
Engineering & Technologies Academy
Transmountain Early College High School
Vanguard High School
Venus High School
Venus Middle School
Waxahachie Global High School
Waxahachie High School
West High School

Virginia

Advanced Technology Center
Deep Run High School
Tomahawk Creek Middle School
Wilson Memorial High School
Wilson Middle School

2021-2022 TSA Chapter Advisor of the Year Awards

High School Chapter Advisor of the Year

Arkansas

Jeana Parker
Alma High School

Connecticut

Gregory Darin
Darien High School

Delaware

Chris Meanor
Newark Charter High School

Florida

John Frank
Braden River High School

Georgia

Angie Quarles
Pickens High School

Illinois

Cindy Bednara
Collinsville High School

Indiana

Jen Yoder
Goshen High School

Iowa

Todd Vander Velde
Rock Valley High School

Kansas

Kevin Hulsen
Olathe West High School

Kentucky

JR Dakin
Glasgow High School

Mississippi

Lester Dempsey
Harrison County Career
& Technical Center

Missouri

Drew DeManuele
Troy Buchanan High School

New Jersey

Melissa Parr
Clearview Regional High
School

New York

Roger Sevilla
Ithaca High School

North Carolina

Jason Sheffield
Ardrey Kell High School

North Dakota

Quenna Beston
Munich High School

Ohio

Audrey Markovich
Butler Tech – Lakota West
High School

Oklahoma

Susan James
Edmond Santa Fe High
School

Pennsylvania

Dale Moll
Blackhawk High School

Rhode Island

Corinne Gelinias
North Providence High School

Tennessee

Nicholas DuBee
Northeast High School

Texas

Mike Yakubovsky
Coppell High School

Utah

Melvin Robinson
Farmington High School

Virginia

Billy Batkins
Highland Springs High School

Washington

Spencer Teachout
North Creek High School

West Virginia

Rex Rush
Hundred High School

Middle School Chapter Advisor of the Year

Arkansas

Brandie McKusker
Greenwood Junior High
School

Colorado

Diane Gaston
Powell Middle School

Connecticut

Megan Hislop
Sage Park Middle School

Delaware

Gail Morris
Gauger-Cobbs Middle School

Florida

Luci Coker
Milwee Middle School

Georgia

Michelle Davis
Fannin Middle School

Indiana

Kim LeFever
South Adams Middle School

Iowa

Heidi Love
Perry Middle School

Kansas

Dennis O'Connell
Pioneer Trail Middle School

Kentucky

Sherry Curtsinger
Eminence Middle School

Mississippi

Kemeya Richardson
Cleveland Central Middle
School

Missouri

Jennifer Boyster
Pershing Middle School

New Jersey

Jamie Marrella
Marlboro Middle School

North Carolina

Stacey Fernandez
Kennedy Middle School

Ohio

Brian Stevenson
Greene County Career Center/
Jacob Coy Middle School

Oklahoma

Paul Wollenberg
Purcell Junior High School

Pennsylvania

Matthew Kline
Northern Cambria Middle
School

Rhode Island

Bethany Starring
Dr. Edward A. Ricci Middle
School

Tennessee

Robert Baltz
Legacy Middle School

Texas

Angela Mowery
Logos Preparatory Academy

Utah

Ben Kunzler
Box Elder Middle School

Virginia

Sam Turner
Holman Middle School

Washington

Rebecca Drury
Cascade K-8 Community
School

Special Interest Sessions

Monday, June 27

Stokes Educational Services

1:00 PM – 2:00 PM; Dallas 3

Quadruped Robots in STEM Classrooms. This workshop will discuss and demonstrate quadruped robots in STEM classrooms.

Presented by Robert Stokes and Ashley Stokes

Bulb Digital Portfolios

2:00 PM – 3:00 PM; San Antonio 1

You are creating incredible works, having amazing learning experiences, and exploring your passions. You deserve a platform where you can showcase your work, learning, and passions. A platform that sticks with you for life. bulb Digital Portfolios is that platform. Come learn how easy it is to make beautiful digital portfolios and resumes that will make you stand out from the crowded fields of college, scholarship, and job applicants.

Presented by Brian Timm, Customer Success Manager, bulbHeads Community Leader

NASA HUNCH

3:00 PM – 4:00 PM; Dallas 3

NASA Hunch is a program funded by the International Space Station where we get high school students to design and build equipment for the space program. There are six different programs available including Design and Prototype, The Culinary Challenge, Softgoods, Flight Configuration, Hardware Manufacturing, Video Production. Our goal is to have students involved in real projects with real requirements.

Presented by Glenn Johnson, Director of NASA HUNCH Design and Prototype Program

Tuesday, June 28

American Cancer Society

11:30 AM – 12:30 PM; San Antonio 2

The American Cancer Society mission is to support cancer patients and their families as well as prevent and detect cancer as well as find cures. Join the American Cancer Society as we explore ways support your community to prevent cancer.

Verisurf Metrology Software & Hardware

5:30 PM – 6:30 PM; Appaloosa 2

Verisurf Metrology Software has industry customers from Boeing to SpaceX and Tesla including the entire supplier chain. We also support Educators with Verisurf Software for Education, with CMM Hardware, Training and Curriculum with Certifications for CNC Machine shops, Robotics, Engineering, and 3D Printing programs. Raymond Elledge uses his 40 years of inspection, quality control, tooling verification, alignment, and measurement Metrology experience in advanced manufacturing to further advance the art and science of Dimensional Metrology for Education.

Presented by Ray Elledge, Verisurf Metrology Software Education USA/Global, Senior Sales Consultant

Wednesday, June 29

Creating a Competitive Junior Solar Sprint Car

1:00 PM – 2:00 PM; San Antonio 2

Junior Solar Sprint (JSS) is the ultimate project for middle school students (5th through 8th grade). You will learn a variety of transportation, electronics, energy, and materials processing concepts that will help you design, build and race a super fast solar car. JSS is relevant, fun, and one of the best TSA events. We would know, we've been doing it at DeWitt Middle School for over 20 years.

Presented by Carson Case, DeWitt Middle School – Ithaca City School District

2023-2024 TSA High School Competitive Events Guide

3:00 PM – 4:00 PM; San Antonio 2

Learn about specific changes for the 2023-2024 High School Competitive Events Guide and receive a preview of new events.

Presented by Dale Moll, CRC/MAC (Managers and Coordinators) Team Lead

State Delegations

State Delegation Meetings

Mandatory state delegation meetings will be held the evening of Sunday, June 26, to review the conference agenda and plans for the state delegation. Additional state delegation meetings may be held June 27, June 28, and June 29. Please refer to the schedule below for your state delegation meeting dates and times. All state delegation meetings must end by 9:00 PM.

State	Time	Room Location
Sunday, June 26		
Alabama	6:00 PM – 7:30 PM	San Antonio 2
Arkansas	6:00 PM – 7:30 PM	Appaloosa 3
California	6:00 PM – 7:30 PM	Austin 6
Colorado	6:00 PM – 7:30 PM	Grapevine 3
Connecticut	6:00 PM – 7:30 PM	Austin 6
Delaware	6:00 PM – 7:30 PM	Davis 2
Florida	6:00 PM – 7:30 PM	Tate Ballroom 8
Georgia	6:00 PM – 7:30 PM	Tate Ballroom 1
Germany	6:00 PM – 7:30 PM	Austin 6
Idaho	6:00 PM – 7:30 PM	Appaloosa 4
Illinois	6:00 PM – 7:30 PM	Austin 6
Indiana	6:00 PM – 7:30 PM	Austin 6
Iowa	6:00 PM – 7:30 PM	Austin 3
Kansas	6:00 PM – 7:30 PM	Davis 1
Kentucky	6:00 PM – 7:30 PM	Grapevine 2
Maryland	6:00 PM – 7:30 PM	Austin 6
Mississippi	6:00 PM – 7:30 PM	Grapevine 5
Missouri	6:00 PM – 7:30 PM	Austin 1
New Hampshire	6:00 PM – 7:30 PM	Austin 6
New Jersey	6:00 PM – 7:30 PM	San Antonio 6
New Mexico	6:00 PM – 7:30 PM	Austin 6
New York	6:00 PM – 7:30 PM	Austin 6
North Carolina	6:00 PM – 7:30 PM	Mesilla 1
North Dakota	6:00 PM – 7:30 PM	Austin 6
Ohio	6:00 PM – 7:30 PM	San Saba 4
Oklahoma	6:00 PM – 7:30 PM	Mesilla 2
Oregon	6:00 PM – 7:30 PM	Austin 6
Pennsylvania	6:00 PM – 7:30 PM	Tate Ballroom 4
South Carolina	6:00 PM – 7:30 PM	Austin 6
Tennessee	6:00 PM – 7:30 PM	San Saba 1
Texas	6:00 PM – 7:30 PM	Grapevine Ballroom A
Utah	6:00 PM – 7:30 PM	San Saba 2
Virginia	6:00 PM – 7:30 PM	Tate Ballroom 6
Washington	6:00 PM – 7:30 PM	Escondido 1
West Virginia	6:00 PM – 7:30 PM	San Saba 3

State	Time	Room Location
Monday, June 27		
Arkansas	7:30 PM – 9:00 PM	Mustang 6
Delaware	6:00 PM – 7:30 PM	Grapevine 6
Florida	7:30 PM – 9:00 PM	Tate Ballroom 8
Iowa	7:30 PM – 9:00 PM	Del Rio 3
Missouri	7:30 PM – 9:00 PM	Grapevine 4
North Carolina	7:30 PM – 9:00 PM	Mesilla 1
Oklahoma	7:30 PM – 9:00 PM	Tate Ballroom 1
Tennessee	6:00 PM – 7:30 PM	Tate Ballroom 3
Texas	7:30 PM – 9:00 PM	Yellow Rose Ballroom
Utah	7:30 PM – 9:00 PM	Grapevine 2
Washington	7:30 PM – 9:00 PM	Tate Ballroom 6
West Virginia	6:00 PM – 7:30 PM	Grapevine 1
Tuesday, June 28		
Colorado	7:30 PM – 9:00 PM	Tate Ballroom 8
Delaware	6:00 PM – 7:30 PM	Escondido 1
Georgia	7:30 PM – 9:00 PM	Grapevine 1
Iowa	7:30 PM – 9:00 PM	Grapevine 2
Kentucky	7:30 PM – 9:00 PM	Grapevine 3
Missouri	6:00 PM – 7:30 PM	Tate Ballroom 9
North Carolina	7:30 PM – 9:00 PM	Tate Ballroom 7
Ohio	6:00 PM – 7:30 PM	Dallas 3
Oklahoma	7:30 PM – 9:00 PM	Tate Ballroom 1
Pennsylvania	7:30 PM – 9:00 PM	Tate Ballroom 4
Tennessee	6:00 PM – 7:30 PM	Tate Ballroom 6
Texas	7:30 PM – 9:00 PM	Grapevine Ballroom A
Utah	7:30 PM – 9:00 PM	Tate Ballroom 10
Virginia	7:30 PM – 9:00 PM	Tate Ballroom 3
West Virginia	6:00 PM – 7:30 PM	Dallas 1
Wednesday, June 29		
Delaware	6:00 PM – 7:30 PM	San Saba 4
Iowa	7:30 PM – 9:00 PM	Del Rio 3
Missouri	6:00 PM – 7:30 PM	San Saba 2
Oklahoma	7:30 PM – 9:00 PM	Tate Ballroom 1
Utah	7:30 PM – 9:00 PM	San Saba 3
Washington	7:30 PM – 9:00 PM	Tate Ballroom 3
West Virginia	6:00 PM – 7:30 PM	Tate Ballroom 5

State Delegations

State Delegation Photo Schedule

State delegations may use their own cameras to take group photographs in the Convention Center Pre-function, located on the 3rd level of the Gaylord Texan Resort during their designated day and time.

Share Your Photos!

Please share your pictures and video clips of conference activities for use during general sessions. Submit them on a USB drive at the TSA conference information desk at Texas Ballroom Registration Desk C. Please note that USB drives will not be returned.

You can also tweet pictures throughout the conference @NationalTSA using #TeamTSA.

Time	State	Time	State
Monday, June 27		Tuesday, June 28	
12:00 PM	Arkansas	12:00 PM	New York
12:15 PM	California	12:15 PM	Maryland
12:30 PM	Tennessee	12:30 PM	Connecticut
12:45 PM	Georgia	12:45 PM	Florida
1:00 PM	Washington	1:00 PM	Iowa
1:15 PM	Colorado	1:15 PM	Delaware
1:30 PM	Kansas	1:30 PM	South Carolina
1:45 PM	New Jersey	1:45 PM	Missouri
2:00 PM	Kentucky	2:00 PM	Mississippi
2:15 PM	North Dakota	2:15 PM	New Mexico
2:30 PM	Pennsylvania	2:30 PM	Idaho
2:45 PM	New Hampshire	2:45 PM	Utah
3:00 PM	Oklahoma	3:00 PM	West Virginia
3:15 PM	Alabama	3:15 PM	Virginia
3:30 PM	Texas	3:30 PM	North Carolina
3:45 PM	Illinois	3:45 PM	Indiana
4:00 PM	Germany	4:00 PM	Ohio
		4:15 PM	Oregon

Code of Ethics

Student Attendees

1. “Delegate” shall mean any TSA member (voting or non-voting) attending the national conference. This includes all advisors, parents, guests, etc.
2. There shall be no defacing of public property. Any damages to the property or furnishings in the hotel rooms or building must be paid by the individual(s) or chapter(s) responsible. Delegates must follow facility guidelines for adhering signs, notices, posters, etc. to walls, doors, or any facility surface.
3. Delegates shall keep their advisors informed of their activities and/or whereabouts at all times.
4. Delegates should be prompt and prepared for all activities.
5. Delegates should be financially prepared for all possibilities.
6. Delegates not staying at the official conference hotel shall be off the hotel grounds by curfew or immediately following the last scheduled event.
7. Dates shall be permitted to authorized activities only. Only by permission of chapter advisors will dates be permitted between TSA delegates.
8. No alcoholic beverages, narcotics, firearms, weapons or explosives in any form, shall be possessed by delegates, alumni or other conference attendees at any time, under any circumstances.
9. Smoking or gambling in public will not be permitted since a delegate in TSA attire is officially representing a state and/or national association of TSA.
10. No delegates shall leave the conference hotels (except for authorized events) unless permission has been received from chapter/state advisors.
11. Delegates are required to attend all general sessions and activities assigned, including workshops, competitive events, committee meetings, etc., for which they are registered.
12. Identification badges must be worn on the chest at all times by all persons in conference attendance.
13. Both state and chapter advisors will be responsible for their delegates’ conduct.
14. Delegates violating or ignoring any of the conduct rules will subject their entire delegation to being unseated and their candidates or competitive events participants being disqualified. Individual delegates may be sent home immediately at his or her own expense. Curfews will be enforced (all delegates will be in assigned rooms by the announced times).
15. Casual attire will be acceptable only during specific social functions, as designated.
16. No helium balloons are permitted.
17. The TSA, Inc. Executive Committee reserves the right to dismiss any person from the conference for inappropriate actions.

Advisors

1. Advisors shall conduct periodic meetings with their student delegates and voting delegates for the purpose of reviewing the many conference activities of which they may take advantage, obtaining progress reports, emphasizing time schedules, sharing successes, and overall, to ensure that the students are taking full advantage of the conference and its activities.
2. Advisors shall keep an agenda of their own schedule and give it to their students so that the advisor may be reached during the conference at any time.
3. Each advisor shall be responsible for ensuring that student participants adhere to all conduct practices and procedures as published in this book.
4. The rules, as stated in this Code of Ethics and in the Dress Code are called to your attention for review and apply to advisors and parents as well as students.

Competitive Events Check-in

Sunday, June 26

7:30 PM – 9:45 PM

Dragster – MS	Longhorn Exhibition Hall B
Dragster Design – HS	Longhorn Exhibition Hall B
Transportation Modeling – HS	Longhorn Exhibition Hall B

8:00 PM – 9:00 PM

Challenging Technology Issues – MS	Mustang 1
Extemporaneous Speech – HS	Palomino 1
Leadership Strategies – MS	Pecos 1
Prepared Presentation – HS	Palomino 2
Prepared Speech – MS	Pecos 4
Software Development – HS	Palomino 3

8:00 PM – 9:45 PM

Children's Stories – HS	Del Rio 2
Children's Stories – MS	Pecos 3
Promotional Design – HS	Mustang 3
Scientific Visualization (SciVis) – HS	Del Rio 3
Structural Design and Engineering – HS	High Plains 1
Structural Engineering – MS	High Plains 2

Monday, June 27

7:30 AM – 8:30 AM

Fashion Design and Technology – HS	Texoma 1
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11:00 AM – 11:30 AM

Coding – HS	Mesilla 2
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11:00 AM – 11:45 AM

Flight Endurance – HS	Grapevine Ballroom C
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11:00 AM – 12:00 PM

Cybersecurity -HS	Yellow Rose Ballroom
Debating Technological Issue – HS	Appaloosa 1
Flight – MS	Tate Ballroom B

12:00 PM – 1:00 PM

Junior Solar Sprint – MS	Longhorn Exhibition Hall D
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12:00 PM – 7:00 PM

VEX IQ – MS	Longhorn Exhibition Hall A
VEX VRC – HS	Longhorn Exhibition Hall A

1:00 PM – 2:00 PM

Microcontroller Design – MS	Longhorn Exhibition Hall D
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1:30 PM – 2:00 PM

Geospatial Technology – HS	San Saba 4
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6:00 PM – 6:30 PM

Technical Design – MS	San Antonio 6
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7:00 PM – 7:30 PM

On Demand Video – HS	Grapevine Ballroom A
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3:00 PM – 5:00 PM

Biotechnology – MS	Longhorn Exhibition Hall E
Construction Challenge – MS	Longhorn Exhibition Hall E
Data Science and Analytics – MS	Longhorn Exhibition Hall E
Inventions and Innovations – MS	Longhorn Exhibition Hall E
Mass Production – MS	Longhorn Exhibition Hall E
Medical Technology – MS	Longhorn Exhibition Hall E
Off the Grid – MS	Longhorn Exhibition Hall E

4:00 PM – 6:00 PM

Architectural Design – HS	Longhorn Exhibition Hall E
Biotechnology Design – HS	Longhorn Exhibition Hall E
Board Game Design – HS	Longhorn Exhibition Hall E
Engineering Design – HS	Longhorn Exhibition Hall E

Tuesday, June 28

11:00 AM – 12:00 PM

Computer Integrated Manufacturing (CIM) – HS	Texoma 1
Mechanical Engineering – MS	Longhorn Exhibition Hall D

Wednesday, June 29

11:00 AM – 12:00 PM

System Control Technology – HS	Dallas 5
System Control Technology – MS	Dallas 7

Competitive Events Schedule – HS

Animatronics – HS

Sunday, June 26; 8:00 PM – 9:00 PM

Preliminary Round – check-in and sign-up for setup time Mustang 1

Tuesday, June 28; 11:00 AM – 6:00 PM

Preliminary Round – set-up entry, presentation/interview, and entry removal San Saba 3

Architectural Design – HS

Monday, June 27; 11:00 AM

Preliminary Round – list is posted of the 24 teams to submit model Website/App/Display Board

Monday, June 27; 4:00 PM – 6:00 PM

Preliminary Round – check-in and submit entry Longhorn Exhibition Hall E

Wednesday, June 29; 11:00 AM

Semifinalist team representative report for presentation/interview time Longhorn Exhibition Hall E

Wednesday, June 29; 11:30 AM – 2:00 PM

Semifinals – presentation/interviews Longhorn Exhibition Hall E

Wednesday, June 29; 4:30 PM – 5:00 PM

All entries MUST be picked up Longhorn Exhibition Hall E

Biotechnology Design – HS

Monday, June 27; 4:00 PM – 6:00 PM

Preliminary Round – check-in and submit entry Longhorn Exhibition Hall E

Wednesday, June 29; 11:00 AM

Semifinalist team representative report for presentation/interview time Longhorn Exhibition Hall E

Wednesday, June 29; 11:30 AM – 2:00 PM

Semifinals – presentation/interviews Longhorn Exhibition Hall E

Wednesday, June 29; 4:30 PM – 5:00 PM

All entries MUST be picked up Longhorn Exhibition Hall E

Board Game Design – HS

Monday, June 27; 4:00 PM – 6:00 PM

Preliminary Round – check-in and submit entry Longhorn Exhibition Hall E

Wednesday, June 29; 11:00 AM

Semifinalist team representative report for demonstration/interview time Longhorn Exhibition Hall E

Wednesday, June 29; 11:30 AM – 2:00 PM

Semifinals – demonstration/interviews Longhorn Exhibition Hall E

Wednesday, June 29; 4:30 PM – 5:00 PM

All entries MUST be picked up Longhorn Exhibition Hall E

Chapter Team – HS

Monday, June 27; 3:00 PM – 4:30 PM

Preliminary Round – written test Longhorn Exhibition Hall F

Tuesday, June 28; 5:00 PM

Semifinalist team representative report for presentation time Grapevine Ballroom 3

Wednesday, June 29; 12:00 PM – 4:00 PM

Semifinals – demonstration room Mustang 6
Semifinals – chapter minutes Mustang 5

Children's Stories – HS

Sunday, June 26; 8:00 PM – 9:45 PM

Preliminary Round – check-in and submit entry Del Rio 2

Tuesday, June 28; 12:30 PM

Semifinalist team representative report for interview time Appaloosa 1

Tuesday, June 28; 1:00 PM – 5:00 PM

Semifinals – reading the story/interviews Appaloosa 1

Wednesday, June 29; 4:30 PM – 5:00 PM

All entries MUST be picked up Longhorn Exhibition Hall E

Coding – HS

Monday, June 27; 11:00 AM

Preliminary Round – check-in and sign up for heat time Mesilla 2

Monday, June 27; 12:00 PM – 2:30 PM

Preliminary Round – Heat #1 Mesilla 2

Monday, June 27; 3:00 PM – 5:30 PM

Preliminary Round – Heat #2 Mesilla 2

Competitive Events Schedule – HS

Computer-Aided Design (CAD), Architecture – HS

Monday, June 27; 12:00 PM – 12:30 PM	
Preliminary Round – check-in and set-up	Dallas 7
Monday, June 27; 12:30 PM – 5:00 PM	
Preliminary Round – on-site performance	Dallas 7
Monday, June 27; 5:00 PM – 6:30 PM	
Preliminary Round – evaluation and interviews	Dallas 7

Computer-Aided Design (CAD), Engineering – HS

Tuesday, June 28; 12:00 PM – 12:30 PM	
Preliminary Round – check-in and set-up	Dallas 7
Tuesday, June 28; 12:30 PM – 5:00 PM	
Preliminary Round – on-site performance	Dallas 7
Tuesday, June 28; 5:00 PM – 6:30 PM	
Preliminary Round – evaluation and interviews	Dallas 7

Computer Integrated Manufacturing (CIM) – HS

Tuesday, June 28; 11:00 AM – 12:00 PM	
Preliminary Round – check-in and submit entry	Texoma 1
Wednesday, June 29; 12:00 PM	
Semifinalist team representative report for demonstration/sales pitch time	Texoma 1
Wednesday, June 29; 12:30 PM – 2:30 PM	
Semifinals – demonstration/sales pitch	Texoma 1
Wednesday, June 29; 4:30 PM – 5:00 PM	
All entries MUST be picked up	Texoma 1

Cybersecurity – HS

Monday, June 27; 11:00 AM – 12:00 PM	
Preliminary Round – check-in and orientation meeting	Yellow Rose Ballroom
Wednesday, June 29; 12:00 PM	
Preliminary Round – online preliminary challenge ends	Online submission

Data Science and Analytics – HS

Monday, June 27; 11:00 AM	
Preliminary Round – list is posted of the 24 teams to sign up for presentation time	Website/App/Display Board
Monday, June 27; 1:30 PM	
Preliminary team representative report for presentation time	San Antonio 4
Monday, June 27; 2:00 PM – 6:30 PM	
Preliminary Round – scientific poster presentations	San Antonio 4
Tuesday, June 28; 11:00 AM	
Semifinalist teams list posted	Website/App/Display Board
Wednesday, June 29; 11:00 AM	
Semifinal solution submission deadline	Online submission

Debating Technological Issues – HS

Monday, June 27; 11:00 AM – 12:00 PM	
Preliminary Round – check-in, receive the subtopic, and sign up for debate time	Appaloosa 1
Monday, June 27; 1:00 PM – 5:00 PM	
Preliminary Round – teams report for heat room assignment	Appaloosa 1
Monday, June 27; 1:00 PM – 5:00 PM	
Preliminary Round – heat rooms	Appaloosa 2-3-4
Tuesday, June 28; 1:00 PM	
Semifinalist team representative report for debate time	Escondido 1
Tuesday, June 28; 1:30 PM – 4:00 PM	
Semifinals – holding and preparation room	Escondido 1
Tuesday, June 28; 1:30 PM – 4:00 PM	
Semifinals – debate room	San Saba 1

Digital Video Production – HS

Tuesday, June 28; 12:00 PM	
Semifinalist team representative report for interview time	Austin 1
Tuesday, June 28; 12:30 PM – 2:30 PM	
Semifinals – interviews	Austin 1

Competitive Events Schedule – HS

Dragster Design – HS

Sunday, June 26; 7:30 PM – 9:45 PM

Preliminary Round – check-in and submit entry Longhorn Exhibition Hall B

Monday, June 27; 1:30 PM – 5:30 PM

Preliminary Round – time trials Longhorn Exhibition Hall B

Tuesday, June 28; 11:00 AM – 12:30 PM

Semifinalists interviews (Top 16 cars) Longhorn Exhibition Hall B

Tuesday, June 28; 3:00 PM – 5:00 PM

Semifinals – head-to-head double elimination bracket Longhorn Exhibition Hall B

Tuesday, June 28; 5:30 PM – 6:00 PM

All entries MUST be picked up Longhorn Exhibition Hall B

Engineering Design – HS

Monday, June 27; 4:00 PM – 6:00 PM

Preliminary Round – check-in and submit entry Longhorn Exhibition Hall E

Wednesday, June 29; 11:00 AM

Semifinalist team representative report for presentation/interview time Longhorn Exhibition Hall E

Wednesday, June 29; 11:30 AM – 2:00 PM

Semifinals – presentation/interviews Longhorn Exhibition Hall E

Wednesday, June 29; 4:30 PM – 5:00 PM

All entries MUST be picked up Longhorn Exhibition Hall E

Essays on Technology – HS

Monday, June 27; 11:00 AM – 1:30 PM

Preliminary Round – check-in and essay writing Escondido 1

Extemporaneous Speech – HS

Sunday, June 26; 8:00 PM – 9:00 PM

Preliminary Round – check-in and sign up for heat time Palomino 1

Monday, June 27; 1:00 PM – 5:00 PM

Preliminary Round – preparation room and heat room assignment Mustang 1
Preliminary Round – heat rooms Mustang 2-3-4

Tuesday, June 28; 1:00 PM

Semifinalists report for speech time Austin 3

Tuesday, June 28; 1:30 PM – 3:30 PM

Semifinals – preparation room Austin 3
Semifinals – presentation room Austin 2

Fashion Design and Technology – HS

Monday, June 27; 7:30 AM – 8:30 AM

Preliminary Round – check-in and submit entry Texoma 1

Monday, June 27; 7:00 PM – 7:30 PM

All entries MUST be picked up Texoma 1

Wednesday, June 29; 12:30 PM

Semifinalist team representative report for presentation/interview time Appaloosa 1

Wednesday, June 29; 1:00 PM – 3:30 PM

Semifinals – presentation/interviews Appaloosa 1

Flight Endurance – HS

Monday, June 27; 11:00 AM – 11:45 AM

Preliminary Round – check-in, submit entry for impound, and sign up for flight time Grapevine Ballroom C

Monday, June 27; 11:45 AM – 12:00 PM

Preliminary Round – pilot's meeting Grapevine Ballroom C

Monday, June 27; 12:00 PM – 6:00 PM

Preliminary Round – trim & fly, time trials Grapevine Ballroom C

Tuesday, June 28; 3:00 PM – 4:00 PM

All entries MUST be picked up Grapevine Ballroom C

Forensic Science – HS

Monday, June 27; 1:00 PM – 2:30 PM

Preliminary Round – written test Longhorn Exhibition Hall C

Tuesday, June 28; 12:30 PM

Semifinalist team representative report for onsite analysis time Escondido 2

Tuesday, June 28; 1:00 PM – 5:30 PM

Semifinals – on-site challenge written analysis room Escondido 2
Semifinals – on-site challenge room San Saba 2

Future Technology and Engineering Teacher – HS

Tuesday, June 28; 12:00 PM

Semifinalists report for presentation time Davis 1

Tuesday, June 28; 12:30 PM – 3:30 PM

Semifinals – lesson plan video and interviews Davis 1

Competitive Events Schedule – HS

Geospatial Technology – HS

Monday, June 27; 11:00 AM

Preliminary Round – list is posted of the 24 teams to submit the visual infographic map Website/App/Display Board

Monday, June 27; 1:30 PM – 2:00 PM

Preliminary Round – check-in and submit entry San Saba 4

Tuesday, June 28; 12:30 PM

Semifinalist team representative report for presentation/interview time San Saba 4

Tuesday, June 28; 1:00 PM – 3:30 PM

Semifinals – presentation/interviews San Saba 4

Tuesday, June 28; 5:00 PM – 5:30 PM

All entries MUST be picked up San Saba 4

Music Production – HS

Tuesday, June 28; 12:00 PM

Semifinalist team representative report for interview time Dallas 3

Tuesday, June 28; 12:30 PM – 3:00 PM

Semifinals – interviews Dallas 3

On Demand Video – HS

Monday, June 27; 7:00 PM – 7:30 PM

Preliminary Round – check-in and team representative meeting to receive the on-site challenge Grapevine Ballroom A

Wednesday, June 29; 7:00 AM – 7:30 AM

Preliminary Round – submit entry by 36 hour deadline Online submission

Photographic Technology – HS

Monday, June 27; 12:30 PM – 6:00 PM

Semifinals – onsite challenge San Saba 1

Tuesday, June 28; 5:30 PM – 6:00 PM

Semifinals – skills challenge upload Online submission

Prepared Presentation – HS

Sunday, June 26; 8:00 PM – 9:00 PM

Preliminary Round – check-in, receive topic, and sign-up for heat time Palomino 2

Tuesday, June 28; 12:00 PM – 7:00 PM

Preliminary Round – presentation holding room Palomino 1
Preliminary Round – presentation room Palomino 2

Promotional Design – HS

Sunday, June 26; 8:00 PM – 9:45 PM

Preliminary Round – check-in and submit entry Mustang 3

Tuesday, June 28; 12:00 PM – 12:30 PM

Semifinalists set-up Davis 2

Tuesday, June 28; 12:30 PM – 3:30 PM

Semifinals – on-site challenge Davis 2

Scientific Visualization (SciVis) – HS

Sunday, June 26; 8:00 PM – 9:45 PM

Preliminary Round – check-in and submit entry Del Rio 3

Wednesday, June 29; 12:00 PM

Semifinalist team representative report for interview time Appaloosa 3

Wednesday, June 29; 12:30 PM – 3:00 PM

Semifinals – interviews Appaloosa 3

Software Development – HS

Sunday, June 26; 8:00 PM – 9:00 PM

Preliminary Round – check-in and sign up for presentation/interview time Palomino 3

Tuesday, June 28; 11:00 AM – 6:00 PM

Preliminary Round – presentation/interviews Davis 3

Structural Design and Engineering – HS

Sunday, June 26; 8:00 PM – 9:45 PM

Preliminary Round – check-in and submit entry High Plains 1

Tuesday, June 28; 11:00 AM – 2:30 PM

Semifinals – on-site design and build High Plains 1

Wednesday, June 29; 1:00 PM – 2:30 PM

Semifinals – destructive test High Plains 1

Wednesday, June 29; 4:00 PM – 4:30 PM

All entries MUST be picked up High Plains 1

Competitive Events Schedule – HS

System Control Technology – HS

Wednesday, June 29; 11:00 AM – 12:00 PM
Preliminary Round – Phase #1: Check-in and the team captain completes set-up Dallas 5

Wednesday, June 29; 12:00 PM – 12:15 PM
Preliminary Round – Phase #2: Problem analysis Dallas 5

Wednesday, June 29; 12:15 PM – 2:45 PM
Preliminary Round – Phase #3:
Model development and programming Dallas 5

Wednesday, June 29; 2:45 PM – 5:15 PM
Preliminary Round – solution judging and interviews Dallas 5

Wednesday, June 29; 5:30 PM – 6:00 PM
All entries MUST be picked up Dallas 5

Technology Bowl – HS

Monday, June 27; 5:00 PM – 6:30 PM
Preliminary Round – written test Longhorn Exhibition Hall F

Tuesday, June 28; 3:00 PM – 6:00 PM
Semifinals – holding room Appaloosa 4
Semifinals – competition room Appaloosa 3

Technology Problem Solving – HS

Tuesday, June 28; 11:00 AM – 2:30 PM
Preliminary Round – Check-in, design solution, and evaluation Longhorn Exhibition Hall F

Transportation Modeling – HS

Sunday, June 26; 7:30 PM – 9:45 PM
Preliminary Round – Check-in and submit entry Longhorn Exhibition Hall B

Tuesday, June 28; 12:00 PM
Semifinalists report for interview time Longhorn Exhibition Hall B

Tuesday, June 28; 12:30 PM – 2:30 PM
Semifinals – interviews Longhorn Exhibition Hall B

Tuesday, June 28; 5:30 PM – 6:00 PM
All entries MUST be picked up Longhorn Exhibition Hall B

VEX VRC – HS

Monday, June 27; 12:00 PM – 7:00 PM
Team Check-In, Inspection, Skills & Qualification Matches Longhorn Exhibition Hall A

Tuesday, June 28; 11:30 AM – 7:00 PM
Judging, Skills & Qualification Matches Longhorn Exhibition Hall A

Wednesday, June 29; 11:30 AM – 3:00 PM
Judging, Skills & Qualification Matches
STOP TIME IS 3:00 PM Longhorn Exhibition Hall A

Wednesday, June 29; 3:15 PM – 4:30 PM
VRC Elimination Rounds Longhorn Exhibition Hall A

Video Game Design – HS

Tuesday, June 28; 12:30 PM
Semifinalist team representative report for interview time Escondido 3

Tuesday, June 28; 1:00 PM – 3:30 PM
Semifinals – interviews Escondido 3

Webmaster – HS

Tuesday, June 28; 12:30 PM
Semifinalist team representative report for interview time Davis 4

Tuesday, June 28; 1:00 PM – 3:30 PM
Semifinals – interviews Davis 4

Competitive Events Schedule – MS

Biotechnology – MS

Monday, June 27; 3:00 PM – 5:00 PM
Preliminary Round –
check-in and submit entry Longhorn Exhibition Hall E

Wednesday, June 29; 11:00 AM
Semifinalist team representative report
for presentation/interview time Longhorn Exhibition Hall E

Wednesday, June 29; 11:30 AM – 2:00 PM
Semifinals – presentation/interviews Longhorn Exhibition Hall E

Wednesday, June 29; 4:30 PM – 5:00 PM
All entries MUST be picked up Longhorn Exhibition Hall E

Career Prep – MS

Tuesday, June 28; 12:30 PM
Semifinalists report for interview time Del Rio 3

Tuesday, June 28; 1:00 PM – 3:30 PM
Semifinals – interviews Del Rio 3

Challenging Technology Issues – MS

Sunday, June 26; 8:00 PM – 9:00 PM
Preliminary Round – check-in and sign-up for heat time Pecos 2

Tuesday, June 28; 1:00 PM – 5:00 PM
Preliminary Round – heats prep room
and heat room assignment Pecos 1
Preliminary Round – heat rooms Pecos 2-3-4

Wednesday, June 29; 12:00 PM
Semifinalist team representative report
for presentation time Pecos 3

Wednesday, June 29; 12:30 PM – 3:00 PM
Semifinals – preparation room Pecos 3
Semifinals – presentation room Pecos 4

Chapter Team – MS

Monday, June 27; 1:00 PM – 2:30 PM
Preliminary Round – written test Longhorn Exhibition Hall F

Tuesday, June 28; 5:00 PM
Semifinalist team representative report
for presentation time Grapevine Ballroom 2

Wednesday, June 29; 12:00 PM – 4:00 PM
Semifinals – presentation room Mustang 4
Semifinals – chapter minutes Mustang 5

Children's Stories – MS

Sunday, June 26; 8:00 PM – 9:45 PM
Preliminary Round – check-in and submit entry Pecos 3

Tuesday, June 28; 12:00 PM
Semifinalist team representative report for
presentation time San Antonio 4

Tuesday, June 28; 12:30 PM – 3:30 PM
Semifinals – presentations San Antonio 4

Wednesday, June 29; 4:30 PM – 5:00 PM
All entries MUST be picked up Longhorn Exhibition Hall E

Coding – MS

Monday, June 27; 3:00 PM – 4:30 PM
Preliminary Round – written test Longhorn Exhibition Hall C

Tuesday, June 28; 1:00 PM – 5:00 PM
Semifinals – on-site programming challenge San Antonio 5

Community Service Video – MS

Tuesday, June 28; 12:30 PM
Semifinalist team representative report for
interview time Del Rio 2

Tuesday, June 28; 1:00 PM – 3:30 PM
Semifinals – interviews Del Rio 2

Computer-Aided Design (CAD) Foundations – MS

Tuesday, June 28; 11:30 AM – 12:00 PM
Preliminary Round – check-in and orientation/set up Mesilla 2

Tuesday, June 28; 12:00 PM – 2:00 PM
Preliminary Round – solution development Mesilla 2

Tuesday, June 28; 2:00 PM – 3:00 PM
Preliminary Round – evaluation Mesilla 2

Construction Challenge – MS

Monday, June 27; 3:00 PM – 5:00 PM
Preliminary Round – check-in and
submit entry Longhorn Exhibition Hall E

Wednesday, June 29; 11:00 AM
Semifinalist team representative report
for presentation/interview time Longhorn Exhibition Hall E

Wednesday, June 29; 11:30 AM – 2:00 PM
Semifinals – presentation/interviews Longhorn Exhibition Hall E

Wednesday, June 29; 4:30 PM – 5:00 PM
All entries MUST be picked up Longhorn Exhibition Hall E

Competitive Events Schedule – MS

Cybersecurity – MS

Tuesday, June 28; 11:00 AM – 12:30 PM
Preliminary round – written test Longhorn Exhibition Hall C

Wednesday, June 29; 12:00 PM
Semifinalist team representative report for presentation time San Antonio 1

Wednesday, June 29; 12:30 PM – 3:30 PM
Semifinals – presentations San Antonio 1

Data Science and Analytics – MS

Monday, June 27; 3:00 PM – 5:00 PM
Preliminary Round – check-in and submit entry Longhorn Exhibition Hall E

Wednesday, June 29; 12:00 PM
Semifinalist team representative report for on-site challenge time Pecos 1

Wednesday, June 29; 12:30 PM – 3:30 PM
Semifinals – on-site challenge preparation room Pecos 1
Semifinals – on-site challenge presentation room Pecos 2

Wednesday, June 29; 4:30 PM – 5:00 PM
All entries MUST be picked up Longhorn Exhibition Hall E

Digital Photography – MS

Tuesday, June 28; 12:00 PM – 12:30 PM
Semifinalists set-up San Antonio 6

Tuesday, June 28; 12:30 PM – 3:30 PM
Semifinals – on-site challenge San Antonio 6

Tuesday, June 28; 3:30 PM – 5:30 PM
Semifinals – interviews San Antonio 6

Dragster – MS

Sunday, June 26; 7:30 PM – 9:45 PM
Preliminary Round – check-in and submit entry Longhorn Exhibition Hall B

Monday, June 27; 1:30 PM – 5:30 PM
Preliminary Round – time trials Longhorn Exhibition Hall B

Tuesday, June 28; 11:00 AM – 12:30 PM
Semifinalists interviews (Top 16 cars) Longhorn Exhibition Hall B

Tuesday, June 28; 1:00 PM – 3:00 PM
Semifinals – head-to-head double elimination bracket Longhorn Exhibition Hall B

Tuesday, June 28; 5:30 PM – 6:00 PM
All entries MUST be picked up Longhorn Exhibition Hall B

Electrical Applications – MS

Tuesday, June 28; 1:00 PM – 2:30 PM
Preliminary Round – written test Longhorn Exhibition Hall C

Wednesday, June 29; 12:00 PM – 4:30 PM
Semifinals – on-site problem and interviews San Antonio 4

Essays on Technology – MS

Monday, June 27; 3:00 PM – 5:00 PM
Preliminary Round – detailed outline Escondido 1

Wednesday, June 29; 11:30 AM – 1:30 PM
Semifinals – essays San Antonio 5

Flight – MS

Monday, June 27; 11:00 AM – 12:00 PM
Preliminary Round – check-in and sign-up for preliminary testing time Tate Ballroom B

Monday, June 27; 12:30 PM – 4:00 PM
Preliminary Round – testing Tate Ballroom B

Tuesday, June 28; 1:00 PM – 4:00 PM
Semifinals – construction, time trials, and evaluation Tate Ballroom B

Tuesday, June 28; 6:00 PM – 6:30 PM
All entries MUST be picked up Tate Ballroom B

Forensic Technology – MS

Monday, June 27; 5:00 PM – 6:30 PM
Preliminary Round – written test Longhorn Exhibition Hall C

Wednesday, June 29; 12:00 PM
Semifinalist team representative report for presentation time San Antonio 6

Wednesday, June 29; 12:30 PM – 3:30 PM
Semifinals – presentations San Antonio 6

Foundations of Information Technology (FIT) – MS

Monday, June 27; 11:00 AM – 7:00 PM
Preliminary Round – written test Online submission

Competitive Events Schedule – MS

Inventions and Innovations – MS

Monday, June 27; 3:00 PM – 5:00 PM

Preliminary Round – check-in and submit entry Longhorn Exhibition Hall E

Wednesday, June 29; 11:00 AM

Semifinalist team representative report for presentation/interview time Longhorn Exhibition Hall E

Wednesday, June 29; 11:30 AM – 2:00 PM

Semifinals – presentation/interviews Longhorn Exhibition Hall E

Wednesday, June 29; 4:30 PM – 5:00 PM

All entries MUST be picked up Longhorn Exhibition Hall E

Junior Solar Sprint – MS

Monday, June 27; 12:00 PM – 1:00 PM

Preliminary Round – check-in and submit entries Longhorn Exhibition Hall D

Tuesday, June 28; 11:00 AM – 12:00 PM

Preliminary Round – practice runs Longhorn Exhibition Hall D

Tuesday, June 28; 12:00 PM – 4:00 PM

Preliminary Round – time trials Convention Center Circle Drive
Preliminary Round – inclement weather time trials Longhorn Exhibition Hall D

Tuesday, June 28; 1:00 PM – 3:30 PM

Preliminary Round – Focus Groups Del Rio 1

Wednesday, June 29; 11:00 AM

Semifinalist team representative report for interview time Longhorn Exhibition Hall D

Wednesday, June 29; 11:30 AM – 12:30 PM

Semifinals – interviews Longhorn Exhibition Hall D

Wednesday, June 29; 12:30 PM – 2:30 PM

Semifinals – head-to-head races Convention Center Circle Drive
Semifinals – inclement weather location Longhorn Exhibition Hall D

Wednesday, June 29; 4:00 PM – 4:30 PM

All entries MUST be picked up Longhorn Exhibition Hall D

Leadership Strategies – MS

Sunday, June 26; 8:00 PM – 9:00 PM

Preliminary Round – check-in and sign-up for heat time Pecos 1

Monday, June 27; 1:00 PM – 5:00 PM

Preliminary Round – preparation room and heat room assignment Pecos 1
Preliminary Round – Heat rooms Pecos 2-3-4

Wednesday, June 29; 12:00 PM

Semifinalist team representative report for presentation time Del Rio 1

Wednesday, June 29; 12:30 PM – 3:00 PM

Semifinals – preparation room Del Rio 1
Semifinals – presentation room Del Rio 2

Mass Production – MS

Monday, June 27; 3:00 PM – 5:00 PM

Preliminary Round – check-in and submit entry Longhorn Exhibition Hall E

Wednesday, June 29; 11:00 AM

Semifinalist team representative report for presentation/interview time Longhorn Exhibition Hall E

Wednesday, June 29; 11:30 AM – 2:00 PM

Semifinals – presentation/interviews Longhorn Exhibition Hall E

Wednesday, June 29; 4:30 PM – 5:00 PM

All entries MUST be picked up Longhorn Exhibition Hall E

Mechanical Engineering – MS

Tuesday, June 28; 11:00 AM – 12:00 PM

Preliminary Round – check-in and sign-up for a performance time slot Longhorn Exhibition Hall D

Tuesday, June 28; 2:00 PM – 5:00 PM

Preliminary Round – solution testing and interviews Longhorn Exhibition Hall D

Wednesday, June 29; 4:00 PM – 4:30 PM

All entries MUST be picked up Longhorn Exhibition Hall D

Competitive Events Schedule – MS

Medical Technology – MS

Monday, June 27; 3:00 PM – 5:00 PM

Preliminary Round – check-in and submit entry Longhorn Exhibition Hall E

Wednesday, June 29; 11:00 AM

Semifinalist team representative report for presentation/interview time Longhorn Exhibition Hall E

Wednesday, June 29; 11:30 AM – 2:00 PM

Semifinals – presentation/interviews Longhorn Exhibition Hall E

Wednesday, June 29; 4:30 PM – 5:00 PM

All entries MUST be picked up Longhorn Exhibition Hall E

Microcontroller Design – MS

Monday, June 27; 1:00 PM – 2:00 PM

Preliminary Round – check-in, submit entry, and sign-up for presentation time Longhorn Exhibition Hall D

Tuesday, June 28; 1:00 PM – 6:00 PM

Preliminary Round – presentations Longhorn Exhibition Hall D

Off the Grid – MS

Monday, June 27; 3:00 PM – 5:00 PM

Preliminary Round – check-in and submit entry Longhorn Exhibition Hall E

Wednesday, June 29; 11:00 AM

Semifinalist team representative report for presentation/interview time Longhorn Exhibition Hall E

Wednesday, June 29; 11:30 AM – 2:00 PM

Semifinals – presentation/interviews Longhorn Exhibition Hall E

Wednesday, June 29; 4:30 PM – 5:00 PM

All entries MUST be picked up Longhorn Exhibition Hall E

Prepared Speech – MS

Sunday, June 26; 8:00 PM – 9:00 PM

Preliminary Round – check-in and sign-up for heat time Pecos 4

Tuesday, June 28; 1:00 PM – 5:00 PM

Preliminary Round – report for heat room assignment Mustang 5
Preliminary Round – heat rooms Mustang 2-4-6

Wednesday, June 29; 12:00 PM

Semifinalists report for speech time Mustang 2

Wednesday, June 29; 12:30 PM – 3:00 PM

Semifinals – speeches Mustang 2

Problem Solving – MS

Tuesday, June 28; 3:00 PM – 6:30 PM

Preliminary Round – check-in, design solution, and evaluation Longhorn Exhibition Hall F

Promotional Marketing – MS

Tuesday, June 28; 12:30 PM – 1:00 PM

Semifinalists set-up Texoma 3

Tuesday, June 28; 1:00 PM – 4:00 PM

Semifinals – on-site problem and evaluation Texoma 3

STEM Animation – MS

Tuesday, June 28; 12:30 PM

Semifinalist team representative report for presentation time Mustang 3

Tuesday, June 28; 1:00 PM – 3:30 PM

Semifinals – presentations Mustang 3

Structural Engineering – MS

Sunday, June 26; 8:00 PM – 9:45 PM

Preliminary Round – check-in and submit entry High Plains 2

Tuesday, June 28; 11:00 AM – 2:30 PM

Semifinals – on-site design and build High Plains 2

Wednesday, June 29; 1:00 PM – 2:30 PM

Semifinals – destructive test High Plains 2

Wednesday, June 29; 4:00 PM – 4:30 PM

All entries MUST be picked up High Plains 2

System Control Technology – MS

Wednesday, June 29; 11:00 AM – 12:00 PM

Preliminary Round – check-in and set-up Dallas 7

Wednesday, June 29; 12:00 PM – 12:15 PM

Preliminary Round – problem analysis Dallas 7

Wednesday, June 29; 12:15 PM – 2:45 PM

Preliminary Round – problem solving Dallas 7

Wednesday, June 29; 2:45 PM – 5:15 PM

Preliminary Round – solution judging Dallas 7

Wednesday, June 29; 5:30 PM – 6:00 PM

All entries MUST be picked up Dallas 7

Competitive Events Schedule – MS

Tech Bowl – MS

Monday, June 27; 11:00 AM – 12:30 PM

Preliminary Round – written test Longhorn Exhibition Hall F

Wednesday, June 29; 2:00 PM – 5:00 PM

Semifinals – holding room Austin 3

Wednesday, June 29; 2:00 PM – 5:00 PM

Semifinals – competition room Austin 1

Technical Design – MS

Monday, June 27; 6:00 PM – 6:30 PM

Preliminary Round – check-in and pick up
on-site problem San Antonio 6

Tuesday, June 28; 6:00 PM – 6:30 PM

Preliminary Round – submit solution Del Rio 1

VEX IQ – MS

Monday, June 27; 12:00 PM – 7:00 PM

Team Check-In, Inspection, Judging,
Skills & Qualification Matches Longhorn Exhibition Hall A

Tuesday, June 28; 11:30 AM – 2:30 PM

Judging, Skills & Qualification Matches Longhorn Exhibition Hall A

Tuesday, June 28; 3:00 PM – 3:30 PM

Teamwork Finals, Top 10 IQ Teams Longhorn Exhibition Hall A

Video Game Design – MS

Tuesday, June 28; 1:00 PM

Semifinalist team representative report
for interview time San Antonio 1

Tuesday, June 28; 1:30 PM – 4:00 PM

Semifinals – interviews San Antonio 1

Website Design – MS

Tuesday, June 28; 1:00 PM

Semifinalists team representative report
for interview time Mesilla 1

Tuesday, June 28; 1:30 PM – 4:00 PM

Semifinals – interviews Mesilla 1

Program of Activities

Sunday, June 26

3:00 PM – 4:00 PM

National TSA Officer Candidates Meeting Dallas 3

4:00 PM – 8:00 PM

Information Desk Open Texas Ballroom Registration Desk C

5:00 PM – 6:00 PM

Coordinators Meeting Fort Worth 5-6

6:00 PM – 7:30 PM

Mandatory State Delegation Meetings/
Packet Pick Up Various Locations

7:30 PM – 9:45 PM

Preliminary Round – check-in and submit entry

Dragster – MS Longhorn Exhibition Hall B

Dragster Design – HS Longhorn Exhibition Hall B

Transportation Modeling – HS Longhorn Exhibition Hall B

8:00 PM – 9:00 PM

Preliminary Round – check-in and sign up for heat time

Extemporaneous Speech – HS Palomino 1

Challenging Technology Issues – MS Pecos 2

Leadership Strategies – MS Pecos 1

Prepared Speech – MS Pecos 4

Preliminary Round – check-in and sign up for presentation/ interview time

Software Development – HS Palomino 3

Preliminary Round – check-in and sign-up for setup time

Animatronics – HS Mustang 1

Preliminary Round – check-in, receive topic, and sign-up for heat time

Prepared Presentation – HS Palomino 2

8:00 PM – 9:45 PM

Preliminary Round – check-in and submit entry

Children's Stories – HS Del Rio 2

Children's Stories – MS Pecos 3

Promotional Design – HS Mustang 3

Scientific Visualization (SciVis) – HS Del Rio 3

Structural Design and Engineering – HS High Plains 1

Structural Engineering – MS High Plains 2

10:00 PM

Curfew

Monday, June 27

7:15 AM – 8:45 AM

State Flag Representatives Meeting Texas Ballroom

7:30 AM – 8:30 AM

Preliminary Round – check-in and submit entry

Fashion Design and Technology – HS Texoma 1

8:00 AM – 5:00 PM

Information Desk Open Texas Ballroom Registration Desk C

9:00 AM – 11:00 AM

Opening General Session (General Session I) Texas Ballroom

11:00 AM

Preliminary Round – check-in and sign up for heat time

Coding – HS Mesilla 2

Preliminary Round – list is posted of the 24 teams to sign up for presentation time

Data Science and Analytics – HS Website/App/Display Board

Preliminary Round – list is posted of the 24 teams to submit model

Architectural Design – HS Website/App/Display Board

Preliminary Round – list is posted of the 24 teams to submit the visual infographic map

Geospatial Technology – HS Website/App/Display Board

11:00 AM – 11:30 AM

TSA Pin Exchange Grapevine Ballroom Pre-Function

11:00 AM – 11:45 AM

Preliminary Round – check-in, submit entry for impound, and sign up for flight time

Flight Endurance – HS Grapevine Ballroom C

11:00 AM – 12:00 PM

Preliminary Round – check-in and orientation meeting

Cybersecurity – HS Yellow Rose Ballroom

Preliminary Round – check-in and sign-up for preliminary testing time

Flight – MS Tate Ballroom B

Preliminary Round – check-in, receive the subtopic, and sign up for debate time

Debating Technological Issues – HS Appaloosa 1

11:00 AM – 12:30 PM

Preliminary Round – written test

Tech Bowl – MS Longhorn Exhibition Hall F

Program of Activities

11:00 AM – 1:30 PM

Preliminary Round – check-in and essay writing
Essays on Technology – HS Escondido 1

11:00 AM – 7:00 PM

Preliminary Round – written test
Foundations of Information
Technology (FIT) – MS Online submission

11:30 AM – 12:30 PM

Advisor Update Meeting Grapevine Ballroom A

11:45 AM – 12:00 PM

Preliminary Round – pilot's meeting
Flight Endurance – HS Grapevine Ballroom C

12:00 PM – 12:30 PM

Preliminary Round – check-in and set-up
Computer-Aided Design (CAD), Architecture – HS Dallas 7

12:00 PM – 1:00 PM

Preliminary Round – check-in and submit entries
Junior Solar Sprint – MS Longhorn Exhibition Hall D

12:00 PM – 2:30 PM

Preliminary Round – Heat #1
Coding – HS Mesilla 2

12:00 PM – 6:00 PM

Preliminary Round – trim & fly, time trials
Flight Endurance – HS Grapevine Ballroom C

12:00 PM – 7:00 PM

**Team Check-In, Inspection, Judging, Skills & Qualification
Matches**
VEX IQ – MS Longhorn Exhibition Hall A

Team Check-In, Inspection, Skills & Qualification Matches
VEX VRC – HS Longhorn Exhibition Hall A

12:30 PM – 2:30 PM

State Advisor Forum Austin 1-2

12:30 PM – 4:00 PM

Preliminary Round – testing
Flight – MS Tate Ballroom B

12:30 PM – 5:00 PM

Preliminary Round – on-site performance
Computer-Aided Design (CAD), Architecture – HS Dallas 7

12:30 PM – 6:00 PM

Semifinals – onsite challenge
Photographic Technology – HS San Saba 1

1:00 PM – 2:00 PM

State Presidents Meeting Austin 3

Special Interest Session

Stokes Educational Services Dallas 3

Preliminary Round – check-in, submit entry, and sign-up for presentation time

Microcontroller Design – MS Longhorn Exhibition Hall D

1:00 PM – 2:30 PM

Preliminary Round – written test
Chapter Team – MS Longhorn Exhibition Hall F
Forensic Science – HS Longhorn Exhibition Hall C

1:00 PM – 5:00 PM

**Preliminary Round – preparation room and heat room
assignment**
Extemporaneous Speech – HS Mustang 1
Leadership Strategies – MS Pecos 1

Preliminary Round – teams report for heat room assignment
Debating Technological Issues – HS Appaloosa 1

Preliminary Round – heat rooms
Debating Technological Issues – HS Appaloosa 2-3-4
Extemporaneous Speech – HS Mustang 2-3-4
Leadership Strategies – MS Pecos 2-3-4

1:30 PM

Preliminary team representative report for presentation time
Data Science and Analytics – HS San Antonio 4

1:30 PM – 2:00 PM

Preliminary Round – check-in and submit entry
Geospatial Technology – HS San Saba 4

1:30 PM – 2:30 PM

**“Heroic Leadership – It’s Not What You Think”
Leadership Session – High school members** San Antonio 2

1:30 PM – 5:30 PM

Preliminary Round – time trials
Dragster – MS Longhorn Exhibition Hall B
Dragster Design – HS Longhorn Exhibition Hall B

2:00 PM – 2:30 PM

TSA State Officer Networking Session Austin 3

2:00 PM – 3:00 PM

Special Interest Session
Bulb Digital Portfolios San Antonio 1

2:00 PM – 6:30 PM

Preliminary Round – scientific poster presentations
Data Science and Analytics – HS San Antonio 4

Program of Activities

3:00 PM – 4:00 PM

Special Interest Session
NASA HUNCH Dallas 3

3:00 PM – 4:30 PM

Preliminary Round – written test
Chapter Team – HS Longhorn Exhibition Hall F
Coding – MS Longhorn Exhibition Hall C

3:00 PM – 5:00 PM

Preliminary Round – check-in and submit entry
Biotechnology – MS Longhorn Exhibition Hall E
Construction Challenge – MS Longhorn Exhibition Hall E
Data Science and Analytics – MS Longhorn Exhibition Hall E
Inventions and Innovations – MS Longhorn Exhibition Hall E
Mass Production – MS Longhorn Exhibition Hall E
Medical Technology – MS Longhorn Exhibition Hall E
Off the Grid – MS Longhorn Exhibition Hall E

Preliminary Round – detailed outline

Essays on Technology – MS Escondido 1

3:00 PM – 5:30 PM

Preliminary Round – Heat #2
Coding – HS Mesilla 2

3:30 PM – 4:30 PM

“Heroic Leadership – It’s Not What You Think”
Leadership Session – Middle school members San Antonio 2

4:00 PM – 6:00 PM

Preliminary Round – check-in and submit entry
Architectural Design – HS Longhorn Exhibition Hall E
Biotechnology Design – HS Longhorn Exhibition Hall E
Board Game Design – HS Longhorn Exhibition Hall E
Engineering Design – HS Longhorn Exhibition Hall E

5:00 PM – 6:00 PM

TSA Region 1-5 Meeting (State Officers only)
• Region 1 (CT, DE, DC, ME, MD, MA, NH, NJ, NY, PA, RI, VT) Palomino 1
• Region 2 (AL, FL, GA, LA, MS, NC, SC, TN) Palomino 2
• Region 3 (IL, IN, KY, MI, OH, VA, WV, WI) Palomino 3
• Region 4 (AR, IA, KS, MN, MO, NE, ND, OK, SD) Del Rio 1
• Region 5 (AK, AZ, CA, CO, HI, ID, MT, NV, NM, OR, TX, UT, WA, WY) Del Rio 2

6:00 PM – 9:00 PM

State Delegation Meetings Various Locations

5:00 PM – 6:30 PM

Preliminary Round – evaluation and interviews
Computer-Aided Design (CAD), Architecture – HS Dallas 7

Preliminary Round – written test

Forensic Technology – MS Longhorn Exhibition Hall C
Technology Bowl – HS Longhorn Exhibition Hall F

6:00 PM – 6:30 PM

Preliminary Round – check-in and pick up on-site problem
Technical Design – MS San Antonio 6

7:00 PM – 7:30 PM

All entries MUST be picked up
Fashion Design and Technology – HS Texoma 1

Preliminary Round – check-in and team representative meeting to receive the on-site challenge

On Demand Video – HS Grapevine Ballroom A

10:00 PM

Curfew

Tuesday, June 28

8:00 AM – 5:00 PM

Information Desk Open Texas Ballroom Registration Desk C

9:00 AM – 10:00 AM

TEAMS* Orientation Grapevine Ballroom A

9:00 AM – 11:00 AM

Recognition Assembly (General Session II) Texas Ballroom

10:00 AM – 8:00 PM

TEAMS* Competition #1 – Presentation Various Locations

11:00 AM

Semifinalist teams list posted

Data Science and Analytics – HS Website/App/Display Board

11:00 AM – 11:30 AM

TSA Pin Exchange Grapevine Ballroom Pre-Function

11:00 AM – 12:00 PM

Preliminary Round – check-in and sign-up for a performance time slot

Mechanical Engineering – MS Longhorn Exhibition Hall D

Preliminary Round – check-in and submit entry

Computer Integrated Manufacturing (CIM) – HS Texoma 1

Preliminary Round – practice runs

Junior Solar Sprint – MS Longhorn Exhibition Hall D

11:00 AM – 12:30 PM

Preliminary round – written test

Cybersecurity – MS Longhorn Exhibition Hall C

Semifinalists interviews (Top 16 cars)

Dragster – MS Longhorn Exhibition Hall B

Dragster Design – HS Longhorn Exhibition Hall B

Program of Activities

11:00 AM – 2:30 PM

Preliminary Round – Check-in, design solution, and evaluation
Technology Problem Solving – HS Longhorn Exhibition Hall F

Semifinals – on-site design and build
Structural Design and Engineering – HS High Plains 1
Structural Engineering – MS High Plains 2

11:00 AM – 6:00 PM

Preliminary Round – presentation/interviews
Software Development – HS Davis 3

Preliminary Round – set-up entry, presentation/interview, and entry removal
Animatronics – HS San Saba 3

11:30 AM – 12:00 PM

Preliminary Round – check-in and orientation/set up
Computer-Aided Design (CAD) Foundations – MS Mesilla 2

11:30 AM – 12:30 PM

Advisor Update Meeting Grapevine Ballroom A

Special Interest Session
American Cancer Society San Antonio 2

11:30 AM – 2:30 PM

Judging, Skills & Qualification Matches
VEX IQ – MS Longhorn Exhibition Hall A

11:30 AM – 7:00 PM

Judging, Skills & Qualification Matches
VEX VRC – HS Longhorn Exhibition Hall A

12:00 PM

Semifinalist team representative report for interview time
Digital Video Production – HS Austin 1
Music Production – HS Ft. Worth 1

Semifinalist team representative report for presentation time
Children's Stories – MS San Antonio 4

Semifinalists report for interview time
Transportation Modeling – HS Longhorn Exhibition Hall B

Semifinalists report for presentation time
Future Technology and Engineering Teacher – HS Davis 1

12:00 PM – 12:30 PM

Preliminary Round – check-in and set-up
Computer-Aided Design (CAD), Engineering – HS Dallas 7

Semifinalists set-up
Digital Photography – MS San Antonio 6
Promotional Design – HS Davis 2

12:00 PM – 2:00 PM

Preliminary Round – solution development
Computer-Aided Design (CAD) Foundations – MS Mesilla 2

12:00 PM – 4:00 PM

Preliminary Round – time trials
Junior Solar Sprint – MS Convention Center Circle Drive

Preliminary Round – inclement weather time trials
Junior Solar Sprint – MS Longhorn Exhibition Hall D

12:00 PM – 7:00 PM

Preliminary Round – presentation holding room
Prepared Presentation – HS Palomino 1

Preliminary Round – presentation room
Prepared Presentation – HS Palomino 2

12:30 PM

Semifinalist team representative report for interview time
Community Service Video – MS Del Rio 2
Video Game Design – HS Escondido 3
Webmaster – HS Davis 4

Semifinalist team representative report for reading/interview time
Children's Stories – HS Appaloosa 1

Semifinalist team representative report for onsite analysis time
Forensic Science – HS Escondido 2

Semifinalist team representative report for presentation time
STEM Animation – MS Mustang 3

Semifinalist team representative report for presentation/interview time
Geospatial Technology – HS San Saba 4

Semifinalists report for interview time
Career Prep – MS Del Rio 3

12:30 PM – 1:00 PM

Semifinalists set-up
Promotional Marketing – MS Texoma 3

12:30 PM – 2:30 PM

Semifinals – interviews
Digital Video Production – HS Austin 1
Transportation Modeling – HS Longhorn Exhibition Hall B

12:30 PM – 3:00 PM

Semifinals – interviews
Music Production – HS Dallas 3

12:30 PM – 3:30 PM

Semifinals – lesson plan video and interviews
Future Technology and Engineering Teacher – HS Davis 1

Semifinals – on-site challenge
Digital Photography – MS San Antonio 6
Promotional Design – HS Davis 2

Semifinals – presentations
Children's Stories – MS San Antonio 4

Program of Activities

12:30 PM – 5:00 PM

Preliminary Round – on-site performance
Computer-Aided Design (CAD), Engineering – HS Dallas 7

1:00 PM

Semifinalist team representative report for debate time
Debating Technological Issues – HS Escondido 1

Semifinalist team representative report for interview time
Video Game Design – MS San Antonio 1
Website Design – MS Mesilla 1

Semifinalists report for speech time
Extemporaneous Speech – HS Austin 3

1:00 PM – 2:30 PM

Preliminary Round – written test
Electrical Applications – MS Longhorn Exhibition Hall C

1:00 PM – 3:00 PM

Semifinals – head-to-head double elimination bracket
Dragster – MS Longhorn Exhibition Hall B

1:00 PM – 3:30 PM

Preliminary Round – Focus Groups
Junior Solar Sprint – MS Del Rio 1

Semifinals – interviews
Career Prep – MS Del Rio 3
Community Service Video – MS Del Rio 2
Video Game Design – HS Escondido 3
Webmaster – HS Davis 4

Semifinals – presentation/interviews
Geospatial Technology – HS San Saba 4

Semifinals – presentations
STEM Animation – MS Mustang 3

1:00 PM – 4:00 PM

Semifinals – construction, time trials, and evaluation
Flight – MS Tate Ballroom B

Semifinals – on-site problem and evaluation
Promotional Marketing – MS Texoma 3

1:00 PM – 5:00 PM

TSA Meet and Greet Convention Center Pre-function

Preliminary Round – heats prep room and heat room assignment
Challenging Technology Issues – MS Pecos 1

Preliminary Round – report for heat room assignment
Prepared Speech – MS Mustang 5

Preliminary Round – heat rooms
Prepared Speech – MS Mustang 2-4-6
Challenging Technology Issues – MS Pecos 2-3-4

1:00 PM – 5:00 PM

Semifinals – on-site programming challenge
Coding – MS San Antonio 5

Semifinals – reading the story/interviews
Children's Stories – HS Appaloosa 1

1:00 PM – 5:30 PM

Semifinals – on-site challenge room
Forensic Science – HS San Saba 2

Semifinals – on-site challenge written analysis room
Forensic Science – HS Escondido 2

1:00 PM – 6:00 PM

Preliminary Round – presentations
Microcontroller Design – MS Longhorn Exhibition Hall D

1:30 PM – 2:30 PM

“Bust Your Signature Moves – Understanding Your Greatest Strengths (and the Strengths of Those Around You)”
Leadership Session – Chapter Advisors San Antonio 2

1:30 PM – 3:30 PM

Semifinals – preparation room
Extemporaneous Speech – HS Austin 3

Semifinals – presentation room
Extemporaneous Speech – HS Austin 2

1:30 PM – 4:00 PM

Semifinals – debate room
Debating Technological Issues – HS San Saba 1

Semifinals – holding and preparation room
Debating Technological Issues – HS Escondido 1

Semifinals – interviews
Video Game Design – MS San Antonio 1
Website Design – MS Mesilla 1

2:00 PM – 3:00 PM

Preliminary Round – evaluation
Computer-Aided Design (CAD) Foundations – MS Mesilla 2

2:00 PM – 5:00 PM

Preliminary Round – solution testing and interviews
Mechanical Engineering – MS Longhorn Exhibition Hall D

3:00 PM – 3:30 PM

Teamwork Finals, Top 10 IQ Teams
VEX IQ – MS Longhorn Exhibition Hall A

3:00 PM – 4:00 PM

All entries MUST be picked up
Flight Endurance – HS Grapevine Ballroom C

Program of Activities

3:00 PM – 5:00 PM

Semifinals – head-to-head double elimination bracket
 Dragster Design – HS Longhorn Exhibition Hall B

3:00 PM – 6:00 PM

Semifinals – competition room
 Technology Bowl – HS Appaloosa 3

Semifinals – holding room

Technology Bowl – HS Appaloosa 4

3:00 PM – 6:30 PM

Preliminary Round – check-in, design solution, and evaluation
 Problem Solving – MS Longhorn Exhibition Hall F

3:30 PM – 4:30 PM

“Bust Your Signature Moves – Understanding Your Greatest Strengths (and the Strengths of Those Around You)”
 Leadership Session – High school members San Antonio 2

3:30 PM – 5:30 PM

Semifinals – interviews
 Digital Photography – MS San Antonio 6

5:00 PM

Semifinalist team representative report for presentation time
 Chapter Team – HS Grapevine Ballroom 3
 Chapter Team – MS Grapevine Ballroom 2

5:00 PM – 5:30 PM

All entries MUST be picked up
 Geospatial Technology – HS San Saba 4

5:00 PM – 6:30 PM

Preliminary Round – evaluation and interviews
 Computer-Aided Design (CAD), Engineering – HS Dallas 7

5:30 PM – 6:00 PM

All entries MUST be picked up
 Dragster – MS Longhorn Exhibition Hall B
 Dragster Design – HS Longhorn Exhibition Hall B
 Transportation Modeling – HS Longhorn Exhibition Hall B

Semifinals – skills challenge upload

Photographic Technology – HS Online submission

5:30 PM – 6:30 PM

Special Interest Session
 Verisurf Metrology Software & Hardware Appaloosa 2

6:00 PM – 6:30 PM

All entries MUST be picked up
 Flight – MS Tate Ballroom B

Preliminary Round – submit solution

Technical Design – MS Del Rio 1

6:00 PM – 9:00 PM

State Delegation Meetings Various Locations

10:00 PM

Curfew

Wednesday, June 29

7:00 AM – 7:30 AM

Voting Delegate Seating Texas Ballroom

Preliminary Round – submit entry by 36 hour deadline

On Demand Video – HS Online submission

8:00 AM – 5:00 PM

Information Desk Open Texas Ballroom Registration Desk C

9:00 AM – 11:00 AM

Annual Business Meeting (General Session III) Texas Ballroom
 TEAMS* Competition #2 – Design/Build Grapevine Ballroom C

11:00 AM

Semifinal solution submission deadline

Data Science and Analytics – HS Online submission

Semifinalist team representative report for demonstration/ interview time

Board Game Design – HS Longhorn Exhibition Hall E

Semifinalist team representative report for interview time

Junior Solar Sprint – MS Longhorn Exhibition Hall D

Semifinalist team representative report for presentation/ interview time

Architectural Design – HS Longhorn Exhibition Hall E
 Biotechnology – MS Longhorn Exhibition Hall E
 Biotechnology Design – HS Longhorn Exhibition Hall E
 Construction Challenge – MS Longhorn Exhibition Hall E
 Engineering Design – HS Longhorn Exhibition Hall E
 Inventions and Innovations – MS Longhorn Exhibition Hall E
 Mass Production – MS Longhorn Exhibition Hall E
 Medical Technology – MS Longhorn Exhibition Hall E
 Off the Grid – MS Longhorn Exhibition Hall E

11:00 AM – 12:00 PM

Preliminary Round – check-in and set-up

System Control Technology – MS Dallas 7

Preliminary Round – Phase #1: Check-in and the team captain completes set-up

System Control Technology – HS Dallas 5

11:30 AM – 12:30 PM

Advisor Update Meeting Grapevine Ballroom A

Semifinals – interviews

Junior Solar Sprint – MS Longhorn Exhibition Hall D

Program of Activities

11:30 AM – 1:30 PM

Semifinals – essays

Essays on Technology – MS San Antonio 5

11:30 AM – 2:00 PM

Semifinals – demonstration/interviews

Board Game Design – HS Longhorn Exhibition Hall E

Semifinals – presentation/interviews

Architectural Design – HS Longhorn Exhibition Hall E

Biotechnology – MS Longhorn Exhibition Hall E

Biotechnology Design – HS Longhorn Exhibition Hall E

Construction Challenge – MS Longhorn Exhibition Hall E

Engineering Design – HS Longhorn Exhibition Hall E

Inventions and Innovations – MS Longhorn Exhibition Hall E

Mass Production – MS Longhorn Exhibition Hall E

Medical Technology – MS Longhorn Exhibition Hall E

Off the Grid – MS Longhorn Exhibition Hall E

11:30 AM – 3:00 PM

Judging, Skills & Qualification Matches STOP TIME IS 3:00 PM

VEX VRC – HS Longhorn Exhibition Hall A

12:00 PM

Preliminary Round – online preliminary challenge ends

Cybersecurity – HS Online submission

Semifinalist team representative report for demonstration/sales pitch time

Computer Integrated Manufacturing (CIM) – HS Texoma 1

Semifinalist team representative report for interview time

Scientific Visualization (SciVis) – HS Appaloosa 3

Semifinalist team representative report for on-site challenge time

Data Science and Analytics – MS Pecos 1

Semifinalist team representative report for presentation time

Challenging Technology Issues – MS Pecos 3

Cybersecurity – MS San Antonio 1

Forensic Technology – MS San Antonio 6

Leadership Strategies – MS Del Rio 1

Semifinalists report for speech time

Prepared Speech – MS Mustang 2

12:00 PM – 12:15 PM

Preliminary Round – Phase #2: Problem analysis

System Control Technology – HS Dallas 5

Preliminary Round – problem analysis

System Control Technology – MS Dallas 7

12:00 PM – 4:00 PM

Semifinals – demonstration room

Chapter Team – HS Mustang 6

Semifinals – presentation room

Chapter Team – MS Mustang 4

Semifinals – chapter minutes

Chapter Team – HS Mustang 5

Chapter Team – MS Mustang 5

12:00 PM – 4:30 PM

Semifinals – on-site problem and interviews

Electrical Applications – MS San Antonio 4

12:15 PM – 2:45 PM

Preliminary Round – Phase #3: Model development and programming

System Control Technology – HS Dallas 5

Preliminary Round – problem solving

System Control Technology – MS Dallas 7

12:30 PM

Semifinalist team representative report for presentation/interview time

Fashion Design and Technology – HS Appaloosa 1

12:30 PM – 2:30 PM

TSA, Inc. Corporate Board Annual Meeting San Saba 1

Semifinals – demonstration/sales pitch

Computer Integrated Manufacturing (CIM) – HS Texoma 1

Semifinals – head-to-head races

Junior Solar Sprint – MS Convention Center Circle Drive

Semifinals – inclement weather location

Junior Solar Sprint – MS Longhorn Exhibition Hall D

12:30 PM – 3:00 PM

Semifinals – interviews

Scientific Visualization (SciVis) – HS Appaloosa 3

Semifinals – preparation room

Challenging Technology Issues – MS Pecos 3

Leadership Strategies – MS Del Rio 1

Semifinals – presentation room

Challenging Technology Issues – MS Pecos 4

Leadership Strategies – MS Del Rio 2

Semifinals – speeches

Prepared Speech – MS Mustang 2

Program of Activities

12:30 PM – 3:30 PM

Semifinals – on-site challenge preparation room
Data Science and Analytics – MS Pecos 1

Semifinals – on-site challenge presentation room
Data Science and Analytics – MS Pecos 2

Semifinals – presentations
Cybersecurity – MS San Antonio 1
Forensic Technology – MS San Antonio 6

1:00 PM – 1:45 PM

CRC/Students Forum Austin 2

1:00 PM – 2:00 PM

Special Interest Session
Creating a Competitive Junior Solar Sprint Car San Antonio 2

1:00 PM – 2:30 PM

Semifinals – destructive test
Structural Design and Engineering – HS High Plains 1
Structural Engineering – MS High Plains 2

1:00 PM – 3:00 PM

TEAMS* Competition #3 – Exam Grapevine Ballroom C

1:00 PM – 3:30 PM

Semifinals – presentation/interviews
Fashion Design and Technology – HS Appaloosa 1

1:45 PM – 2:30 PM

CRC/Advisors Forum Austin 2

2:00 PM – 5:00 PM

Semifinals – competition room
Tech Bowl – MS Austin 1

Semifinals – holding room

Tech Bowl – MS Austin 3

2:30 PM – 3:30 PM

TSA, Inc. Board of Directors Meeting (new board) Escondido 1

2:45 PM – 5:15 PM

Preliminary Round – solution judging
System Control Technology – MS Dallas 7

Preliminary Round – solution judging and interviews
System Control Technology – HS Dallas 5

3:00 PM – 4:00 PM

Special Interest Session
2023-2024 TSA High School
Competitive Events Guide San Antonio 2

3:15 PM – 4:30 PM

VRC Elimination Rounds
VEX VRC – HS Longhorn Exhibition Hall A

4:00 PM – 4:30 PM

All entries MUST be picked up
Junior Solar Sprint – MS Longhorn Exhibition Hall D
Mechanical Engineering – MS Longhorn Exhibition Hall D
Structural Design and Engineering – HS High Plains 1
Structural Engineering – MS High Plains 2

4:30 PM – 5:00 PM

All entries MUST be picked up
Architectural Design – HS Longhorn Exhibition Hall E
Biotechnology – MS Longhorn Exhibition Hall E
Biotechnology Design – HS Longhorn Exhibition Hall E
Board Game Design – HS Longhorn Exhibition Hall E
Children's Stories – HS Longhorn Exhibition Hall E
Children's Stories – MS Longhorn Exhibition Hall E
Computer Integrated Manufacturing (CIM) – HS Texoma 1
Construction Challenge – MS Longhorn Exhibition Hall E
Data Science and Analytics – MS Longhorn Exhibition Hall E
Engineering Design – HS Longhorn Exhibition Hall E
Inventions and Innovations – MS Longhorn Exhibition Hall E
Mass Production – MS Longhorn Exhibition Hall E
Medical Technology – MS Longhorn Exhibition Hall E
Off the Grid – MS Longhorn Exhibition Hall E

5:30 PM – 6:00 PM

All entries MUST be picked up
System Control Technology – HS Dallas 5
System Control Technology – MS Dallas 7

6:00 PM – 9:00 PM

State Delegation Meetings Various Locations

10:00 PM

Curfew

Thursday, June 30

8:00 AM – 10:00 AM

Information Desk Open Texas Ballroom Registration Desk C

8:00 AM – 11:00 AM

Awards Ceremony (General Session IV) Texas Ballroom

11:00 AM – 12:00 PM

National TSA Officers Meeting (new officers) San Antonio 6

**Tests of Engineering Aptitude, Mathematics, and Science*

Spectator Events – HS/MS

Important competition update: The viewing of display (static) entries will be closed to all conference attendees for security reasons and in order to preserve the intellectual property rights of TSA's contestants.

The events listed below allow spectators at the date, time, and location noted. Spectators must observe “audience” guidelines set down by the event coordinator, and — at all times — must be respectful of individuals/teams participating in an event.

Monday, June 27

Flight Endurance – HS, 12:00 PM – 6:00 PM	
Preliminary Round – time trials	Grapevine Ballroom C
VEX IQ – MS, 12:00 PM – 7:00 PM	
Skills and Qualification Matches	Longhorn Exhibition Hall A
VEX VRC – HS, 12:00 PM – 7:00 PM	
Skills and Qualification Matches	Longhorn Exhibition Hall A
Flight – MS, 12:30 PM – 4:00 PM	
Preliminary Round – time trials	Tate Ballroom B
Dragster Design – HS, 1:30 PM – 5:30 PM	
Preliminary Round – time trials	Longhorn Exhibition Hall B
Dragster – MS, 1:30 PM – 5:30 PM	
Preliminary Round – time trials	Longhorn Exhibition Hall B

Tuesday, June 28

Technology Problem Solving – HS, 11:00 AM – 2:30 PM	
Design/Solution	Longhorn Exhibition Hall F
VEX IQ – MS, 11:30 AM – 2:30 PM	
Skills and Qualification Matches	Longhorn Exhibition Hall A
VEX VRC – HS, 11:30 AM – 7:00 PM	
Skills and Qualification Matches	Longhorn Exhibition Hall A
Junior Solar Sprint – MS, 12:00 PM – 4:00 PM	
Preliminary Round – time trials	Convention Center Circle Drive
Preliminary Round – Inclement weather	Longhorn Exhibition Hall D
Dragster – MS, 1:00 PM – 3:00 PM	
Semifinals	Longhorn Exhibition Hall B
Flight – MS, 1:00 PM – 4:00 PM	
Semifinals – evaluation	Tate Ballroom B
Extemporaneous Speech – HS, 1:30 PM – 3:30 PM	
Semifinals	Austin 2
Debating Tech Issues – HS, 1:30 PM – 4:00 PM	
Semifinalist Debate Portion Only	San Saba 1
Mechanical Engineering – MS, 2:00 PM – 5:00 PM	
Preliminary Round – solution testing	Longhorn Exhibition Hall C
VEX IQ – MS, 3:00 PM – 3:30 PM	
Teamwork Finals, Top 10	Longhorn Exhibition Hall A

Dragster Design – HS, 3:00 PM – 5:00 PM	
Semifinals	Longhorn Exhibition Hall B
Technology Bowl – HS, 3:00 PM – 6:00 PM	
Semifinals Oral Portion Only	Appaloosa 3
Problem Solving – MS, 3:00 PM – 6:30 PM	
Design Solution	Longhorn Exhibition Hall F

Wednesday, June 29

VEX VRC – HS, 11:30 AM – 3:00 PM	
Skills and Qualification Matches	Longhorn Exhibition Hall A
Junior Solar Sprint – MS, 12:30 PM – 2:30 PM	
Semifinals – head-to-head races	Convention Center Circle Drive
Inclement weather	Longhorn Exhibition Hall D
Prepared Speech – MS, 12:30 PM – 3:00 PM	
Semifinals	Mustang 2
Structural Design and Engineering – HS, 1:00 PM – 2:30 PM	
Semifinalists stress test	High Plains 1
Structural Engineering – MS, 1:00 PM – 2:30 PM	
Semifinalists stress test	High Plains 2
Tech Bowl – MS, 2:00 PM – 5:00 PM	
Semifinals Oral Portion Only	Austin 1
VEX VRC – HS, 3:15 PM – 4:30 PM	
VRC Elimination Rounds	Longhorn Exhibition Hall A