2023 NATIONAL TSA CONFERENCE
June 28–July 2, 2023 • Louisville, Kentucky
“A Legacy of Innovation”

CONFERENCE PROGRAM
#ForeverTSA
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2022-2023 National TSA Officers

PRESIDENT
Esha Bolar
Johnston High School
Grimes, Iowa

VICE PRESIDENT
Carson Schmitt
Ola High School
 McDonough, Georgia

SECRETARY
Sami Vallury
MOT Charter High School
Middletown, Delaware

TREASURER
Shreemayi Undavalli
Longview High School
Longview, Texas

REPORTER
Samra Iqbal
Caesar Rodney High School
Dover, Delaware

SERGEANT-AT-ARMS
David Marquez
STEM School Highlands Ranch
Highlands Ranch, Colorado
Welcome to the 2023 National TSA Conference

Welcome TSA Members,

On behalf of the 2022-2023 National TSA Officer Team, it is my pleasure and honor to welcome each of you to the 45th National TSA Conference! Louisville, Kentucky is the home of historic legacies like Muhammed Ali and the Slugger baseball bat. Take in the sights and enjoy this moment!

This year’s conference theme, “A Legacy of Innovation,” was handpicked because of the life-long impact TSA has on its members, and, in turn, the impact members can have on the world around them. Through the unprecedented times of the pandemic, we have learned that TSA members will persevere-- forever striving for excellence. We stayed connected through it all, creating new ideas and building friendships to last a lifetime. Because of this never-ending resilience that you, the members, embody, I am so proud to call myself a part of this 300,000+ strong organization.

The National TSA Conference provides a chance to expand your horizons. Talk to someone new at pin trading, find fresh opportunities through attending special interest sessions, and compete with heart!

The 2022-2023 National TSA Officer Team is honored to be a part of your TSA experience at this conference. We hope you find out what that experience means to you while you are in Louisville. Remember, the TSA feeling is forever. We are #ForeverTSA.

Good luck to all of you in your endeavors at this conference!

Sincerely,

Esha Bolar
2022-2023 National TSA President
Welcome
to the 2023 National TSA Conference

Greetings:

It is with great pride that I welcome you to Louisville for the 2023 National Technology Student Association Conference. I am excited to see thousands of middle and high school students from across the nation attending this event and engaged in STEM education.

I encourage you to look around and know that so many of our future leaders are right here at this conference focusing their energy and competitive spirit on topics such as audio podcasting, flight endurance, biotechnology, cybersecurity and so much more. You truly are living up to your motto: learning to lead in a technical world, and I truly admire your dedication and commitment to making the nation a better place to live and work.

We are excited to have you in Louisville, and hope that you take time to enjoy the many cultural, historic, entertainment, and culinary offerings the River City provides. Best wishes for a productive conference and for all of your endeavors in the year ahead.

Sincerely,

Andy Beshear
Governor, Commonwealth of Kentucky
General Information

Information Desk
The TSA Information Desk is located in the Market Street Pre-function (main street level) and will be open the following hours:

- Wednesday, June 28 5:00 PM – 8:00 PM
- Thursday, June 29 8:00 AM – 5:00 PM
- Friday, June 30 8:00 AM – 5:00 PM
- Saturday, July 1 8:00 AM – 5:00 PM

TSA Store
The 2023 National TSA Conference store will offer products in two different locations this year – beside the registration area on the main level and in front of the escalators in the lower concourse. The TSA store will be open the following hours:

- Thursday, June 29 9:00 AM – 5:00 PM
- Friday, June 30 9:00 AM – 5:00 PM
- Saturday, July 1 9:00 AM – 5:00 PM

New for 2023, the TSA store will be cashless. Accepted payments are Apple Pay, credit or debit cards.

Conference T-shirts
To receive your free 2023 National TSA Conference t-shirt, bring your golden ticket, located in your conference packet, to Boardroom A on the main level of the convention center during the following times:

- Thursday, June 29 11:00 AM – 4:00 PM
- Friday, June 30 11:00 AM – 4:00 PM

FedEx Store
The FedEx Store is located across the street from the conference information desk. Hours are Monday – Friday, 9:00 AM – 7:00 PM, and Saturday, 10:00 AM – 6:00 PM. 502-584-0407. usa1607@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 KICC security.

Get Social
Get social with TSA! Use #ForeverTSA and tag photos and posts of the 2023 National TSA Conference and around Louisville, Kentucky on TSA’s social media pages. Follow us on:

- @NationalTSA
- /NationalTSA
- @nationaltsa

Conference App

The 2023 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.

2023 National Conference Team

- **Conference Team Manager**
  Mark Harrell

- **Conference Team Assistant Manager**
  Andy Stephenson

- **Volunteer Manager**
  Bill Bates

- **Judge Managers**
  Chasity Kittrell and Amanda Boggs

- **Logistics Manager**
  Frank Calfee

- **General Session Manager**
  Sara Reynolds
Conference Highlights

Opening General Session
Thursday, June 29; 9:00 AM – 11:00 AM
North Hall D
The 2023 National TSA Conference will open with the Parade of State Flags recognizing state officers. Esha Bolar, National TSA President, will perform the National Anthem, and a special video performance of America the Beautiful will be presented by Tiffany Ashton. Deanne Bell, engineer, television host, and entrepreneur, will deliver the keynote address. Special awards will be presented. Doors will open at 8:00 AM.

TSA Pin Exchange
Thursday, June 29; 11:00 AM – 12:00 PM
Friday, June 30; 11:00 AM – 12:00 PM
Saturday, July 1; 11:00 AM – 12:00 PM
Market Street Pre-function
Attendees have the opportunity to share and exchange pins for one hour after the first three general sessions.

Signature Moves (Understanding Your Greatest Strengths – and the Strengths of Those Around You)
Thursday, June 29
12:30 PM – 1:30 PM – High school members
2:00 PM – 3:00 PM – Advisors
3:30 PM – 4:30 PM – Middle school members
L004
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 use them. Get ready to laugh a lot and learn even more!

Heroic Leadership — It’s Not What You Think
Friday, June 30
12:30 PM – 1:30 PM – Middle school members
3:30 PM – 4:30 PM – High school members
L004
During this interactive and engaging workshop – that includes some unexpected information – learn how to be a true heroic leader. This presentation is a must for those who love superhero movies with great plots and tons of action.

TSA Meet and Greet
Friday, June 30, 1:00 PM – 5:00 PM
South Pre-function Upper Concourse
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 2023–2024 national TSA officer candidates’ platforms.

This year, National TSA was proud and pleased to announce that membership reached an historic high of 300,000 middle and high school students across the country. Gratitude and congratulations are extended to all in TSA. Every member counts!

#ForeverTSA
Emergency/Security Information

Conference Safety and Security
The safety and security of 2023 National TSA Conference attendees is of utmost concern to the governing body of TSA. Daily advisor update meetings will provide a review of safety, as needed.

The following procedures are in place for the duration of the conference:

- ALL attendees must register for the conference.
- Advisors are responsible for their chapter attendees at all times.
- Identification (conference name badges) must be worn on the chest at all times by all attendees during the conference.
- Conference attendees should be in groups or pairs when walking to and from the Kentucky International Convention Center (KICC), hotels, restaurants, or other venues.
- Advisors must have an emergency plan in place for their chapter attendees. The plan should include (but is not limited to) a pre-determined location for attendees to meet should an emergency occur. All chapter attendees must be aware of this plan.
- Should an emergency occur at the Kentucky International Convention Center (KICC), repeat announcements will be made via the KICC public address system regarding the situation and the action to take.
- Emergency instructions for each hotel are available on the conference hotel page.
- 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.
- Security guards are present at all hotels and the convention center.

Health Information
Please do not enter the hotel/conference area if you are experiencing any signs or symptoms of COVID-19 or other contagious illness. Symptoms include - but are not limited to - fever (temperature of 100.4 F or higher); chills; cough; shortness of breath or difficulty breathing; new loss of taste or smell; sore throat; congestion or runny nose; nausea or vomiting; diarrhea.

Kentucky International Convention Center (KICC)
Be sure to review the Emergency and Evacuation Guide provided by the Kentucky International Convention Center (KICC).

First Aid office
Market Street Prefunction Main Concourse

Closest Pharmacy and Medical Facilities
CVS
340 W Muhammad Ali Blvd
Louisville, KY 40202

Norton Community Medical
1 Arena Plaza
Louisville, KY 40202

Emergency Care in Louisville
UofL Health – UofL Hospital
530 S Jackson St
Louisville, KY 40202
502-562-3015

Interactions with the street (homeless) population
- Treat everyone with respect and kindness, including the street population. Remember that they are individuals deserving of dignity.
- Maintain a comfortable distance from strangers, including the street population.
- Do not give money to individuals on the street.
- Avoid displaying large amounts of cash or valuable items.
- Do not share any personal information with strangers, which includes the street population.
General Sessions

All general sessions will take place in the **North Hall D** at the Kentucky International Convention Center (KICC). 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**
**Thursday, June 29; 9:00 AM – 11:00 AM**
The 2023 National TSA Conference will open with the Parade of State Flags recognizing state officers. Esha Bolar, National TSA President, will perform the National Anthem, and a special video performance of America the Beautiful will be presented by Tiffany Ashton. Deanne Bell, engineer, television host, and entrepreneur, will deliver the keynote address. Special awards will be presented. Doors will open at 8:00 AM.

**Recognition Assembly – General Session II**
**Friday, June 30; 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**
**Saturday, July 1; 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**
**Sunday, July 2; 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

Everyone who attends the National TSA Conference, including parents, guests, and children must be registered for the conference. All must comply with the TSA Dress Code policy.* All registrants must wear official conference identification name badges at all times.

COMPETITION ATTIRE

Shirt: official royal blue TSA shirt

Pants, or at least knee-length Skirt: gray
  • Unacceptable: jeans; jeggings; leggings; baggy pants; exterior pocket pants; shorts

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

Required additional attire for Middle and High School Chapter Team event

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

Above attire may be worn for other competitions if preferred by event participants.

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

Pants, or at least knee-length Dress or Skirt
  • Unacceptable: jeans; jeggings; leggings; baggy pants; exterior pocket pants; shorts

Optional Blazer: navy blue with official TSA patch

Optional Tie: official TSA tie

Shoes: dress shoes worn with dark socks, hosiery (optional):
  • open-toed 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 September 24, 2022.
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 the preliminary round submission for HS On Demand Video.
- 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 platform requires that students know their TSA Student Member ID# and password.

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 Market Street Pre-function.

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

Awards Ceremony

Attendance to the Awards Ceremony on Sunday, July 2, requires conference registration. Attendees must be registered for the conference no later than Saturday, July 1 at 5:00 PM.

Top Ten Event Finalists

Top ten competitive event finalists in middle and high school events will be posted on TSAweb.org on July 5, 2023.

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.

TSA Meet and Greet

TSA Meet and Greet
Friday, June 30, 1:00 PM – 5:00 PM
South Pre-function Upper Concourse

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.

- 2022–2023 National TSA Officers
- 2023–2024 National TSA Officer Candidates
- The Future of TSA
- 1st Maker Space, Inc.
- AEOP Unite Summer Program
- American Cancer Society (ACS)
- Bluegrass Educational Technologies
- CompTIA
- Future Engineers
- Goodheart-Willcox Publisher
- International Technology and Engineering Educators Association (ITEEA)
- Junior Science & Humanities Symposium (JSHS) – NTSA
- Junior Solar Sprint
- LifeSmarts
- National Technical Honor Society
- Ozark Delight Candy
- Prestige AV & Creative Services
- Stokes Educational Services
- University of the Cumberlands
Advisor Update Meetings

Chapter advisors (and parents serving as advisors for chapters at this conference) are required to attend daily TSA advisor meetings in Ballroom D 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.

**Thursday, June 29; 11:30 AM – 12:30 PM**
National TSA Conference Mug

**Friday, June 30; 11:30 AM – 12:30 PM**
TSA Tech Pouch

Middle school advisors are asked to stay after for a brief presentation from CompTIA.

**Saturday, July 1; 11:30 AM – 12:30 PM**
TSA Mobile Ring Light

Leadership Training Workshops

Kent Julian, motivational speaker and leadership trainer, will hold five leadership sessions during the national conference. The sessions will run 45-60 minutes and accommodate 100 attendees per session. Pre-registration is not required. All sessions will be held in L004 at the Kentucky International Convention Center (KICC).

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

**Thursday, June 29**
12:30 PM – 1:30 PM – High school members
2:00 PM – 3:00 PM – Advisors
3:30 PM – 4:30 PM – Middle school members

L004

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L004

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2023-2024 National TSA Officer Candidates

National TSA Officer Elections
The election of the 2023-2024 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 4 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.
3. All voting delegates have access to an individual device that does not require WiFi to access their email.

Officer Candidate Campaign
Meet the 2023-2024 national TSA officer candidates at the TSA Meet and Greet on Friday, June 30, from 1:00 PM to 5:00 PM. Candidates will be at their campaign tables in the South Pre-function Upper Concourse of the Kentucky International Convention Center (KICC). Voting for the candidates will take place on Saturday, July 1, during the annual business meeting in North Hall D. Voting delegate seating takes place from 7:00 AM to 7:30 AM.

Candidates for President
- Garv Jain
- David Marquez
- Shreemayi Undavalli

Candidates for Vice President
- Talisa Austin
- Tyson Castleberry
- Kate Harris

Candidates for Secretary
- No Candidates

Candidates for Treasurer
- Ariel Fader
- Kishen Misra

Candidate for Reporter
- Sreemayi Gangireddy

Candidate for Sergeant-at-Arms
- Finn Reinke

Information Regarding Resolutions
Members interested in formally proposing a resolution at this national conference must follow the guidelines that appear in the TSA bylaws. All resolution forms must be submitted to national TSA president, Esha Bolar by 12:00 PM Friday, June 30.
2022-2023 Award Recipients

Gold Achievement Awards

**Colorado**  
Luke Gilchrist  
Lakewood High School

**Delaware**  
Salma Omaid  
MOT Charter High School

Samhitha Vallury  
MOT Charter High School

**Georgia**  
Alexis Alfonseca  
Paul Duke STEM High School

Baylor Brown  
Paul Duke STEM High School

Shafiq Chowdhury  
Paul Duke STEM High School

Lucas Correa Baca  
Paul Duke STEM High School

Princess Igwe  
Paul Duke STEM High School

Tristan Kim  
Paul Duke STEM High School

Caleb Odunade  
Paul Duke STEM High School

Joshua Odunade  
Paul Duke STEM High School

Mihir Pai  
Paul Duke STEM High School

Rohan Pai  
Paul Duke STEM High School

Luke Quarles  
Pickens High School

Jeri Speights  
Pickens High School

**Idaho**  
Caroline Heiner  
Mountian View High School

**Iowa**  
Maamit Sheth  
Johnston High School

**Kentucky**  
Alexander Randall  
Campbell County High School

**Missouri**  
Lucas Dionne  
Central High School

Jonathan Fuson  
Central High School

Alexandra Jura  
Central High School

Tatum Mace  
Central High School

**New Jersey**  
Dante Kanterezhi-Gatto  
Toms River High School East

Sahil Maher  
Freehold Township High School

**North Dakota**  
Alyssa Sadowsky  
Dickinson High School

Lucas Shilman  
Dickinson High School

Stephanie Tally  
Dickinson High School

Agustin Zettel  
Dickinson High School

**Oklahoma**  
Chance Krueger  
Atoka High School

Abby Roland  
Atoka High School

**Pennsylvania**  
Katherine Smith  
The Baldwin School

**Tennessee**  
Jonathan Bonamarte  
Oak Ridge High School

Daniel Davis  
Sycamore High School

Samuel Davis  
Sycamore High School

Brian Galvan  
Powell High School

Eli Hicks  
Karns High School

Meredith Morgan  
Karns High School

Yug Patel  
Ravenwood High School

Rick Tzompa-Chimal  
Martin Luther King Jr.  
Academic Magnet High School

Anderson Vasquez Francisco  
Northwest Middle School

Savannah Williams  
Sycamore High School

**Texas**  
Auren George  
Coppell High School

Lakshmi Gorthi  
Coppell High School

Naisha Jain  
Coppell High School

Tanya Nikam  
Coppell High School

Kadin Vire  
Waxahachie High School
# 2022-2023 Award Recipients

## Technology Honor Society

### Connecticut
- **Dylan Anderson**
  - Killingly High School
- **Mason Doshi**
  - Windsor High School
- **Najia Elarabi**
  - Windsor High School
- **Selma Saeedosman**
  - Windsor High School

### Florida
- **Armin Delmo**
  - Palm Bay Magnet High School
- **Amaya Laing**
  - Palm Bay Magnet High School
- **Jayna Lauer**
  - Lake Asbury Junior High School
- **Chantel Nance**
  - Palm Bay Magnet High School
- **Jaansi Parsa**
  - Dunbar High School
- **Nate Pritzker**
  - Pine Crest High School
- **Mia Starkman**
  - Pine Crest High School

### Georgia
- **Ellie Ahn**
  - Wesleyan School Middle School
- **Cassidy Gaines**
  - Hart County High School
- **Peyton Gaines**
  - Hart County High School
- **Logan Gordon**
  - Hart County High School
- **Sahana Karthikeyan**
  - Wesleyan School Middle School
- **Jia Lim**
  - Wesleyan School Middle School
- **Duncan Mcduffie**
  - Hart County High School
- **Mihir Pai**
  - Paul Duke STEM High School
- **Luke Quarles**
  - Pickens High School
- **Jeri Speights**
  - Pickens High School
- **Lena Sumner**
  - Lowndes High School

### Idaho
- **Summer Breetigan**
  - New Plymouth High School
- **Lucas Havlina**
  - New Plymouth High School
- **Caroline Heiner**
  - Mountain View High School

### New Jersey
- **Dante Kanterezhi-Gatto**
  - Toms River High School East
- **Sarvagna Malladi**
  - Middlesex County Academy
- **Misha Patel**
  - Middlesex County Academy
- **Maryam Safe**
  - Union County Vocational-Technical School

### Oklahoma
- **Destiny Carter**
  - Rush Springs High School
- **Akshaj (Aks) Dalavayi**
  - Edmond Summit Middle School
- **Sam Moran**
  - Aline-Cleo High School
- **Abby Roland**
  - Atoka High School

### Pennsylvania
- **Christopher Booterbaugh**
  - Northern Cambria High School
- **Natalie Branstetter**
  - Park Forest Middle School
- **Megan Chan**
  - The Baldwin School
- **Mikey Konitsky**
  - Northern Cambria High School
- **Haley Pattison**
  - Northern Cambria High School
- **Katherine Smith**
  - The Baldwin School
- **Chris Yahner**
  - Northern Cambria High School

### Tennessee
- **Eli Hicks**
  - Karns High School

### West Virginia
- **Taylor Adkins**
  - Clay County High School
- **Mason Cavalier**
  - University High School
- **Shelby Davis**
  - University High School
- **Wesley Davis**
  - University High School
- **Holt Dawson**
  - Clay County High School
- **Ariel Dobbins**
  - Clay County Middle School
- **Juliann Gallagher**
  - Clay County Middle School
- **Isaiah Harvey**
  - University High School
- **Miranda Hawkins**
  - Hundred High School
- **Jordyn Herter**
  - University High School
- **Zackary Hostutler**
  - Hundred High School
- **Grace Jackson**
  - University High School
- **Ethan Jones**
  - University High School
- **Dylan McCumbers**
  - Clay County High School
- **Brian Oiler**
  - University High School
- **Madison Paxton**
  - Clay County High School
- **Morgan Payton**
  - Clay County High School
- **Erin Sims**
  - University High School
2022-2023 Award Recipients

**Special Award Recipients**
- Distinguished Alumni Award
  Staci Davis
- State Advisor of the Year Award
  Mike Fitzgerald
- Dr. Bob Hanson Distinguished Student Award
  Daryen Rodriguez Saucedo
- William P. Elrod Memorial Scholarship Award
  Jordyn Herter

**2022–2023 State Superlative Membership Awards**

Largest MS Blue CAP Chapter: Milwee Middle School, Florida
Largest HS Blue CAP Chapter: Keller Center for Advanced Learning, Texas
Largest MS White CAP Chapter: Challenge 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: Georgia
State with the Most Middle School Members: Oklahoma
State with the Most High School Members: Texas
State with the Most Members Overall: Texas
State with the Most Chapters Overall: Georgia
State with the Highest Middle School Membership Growth: North Carolina
State with the Highest High School Membership Growth: South Carolina
2022-2023 Chapter Membership Milestones

30+ Circle

**Alabama**
- Madison County Career Technical Center
- Pelham High School
- Theodore High School

**Arkansas**
- Elkins High School
- Rogers High School
- Star City High School

**Colorado**
- Challenge School
- Euclid Middle School
- Highlands Ranch High School
- Horizon Middle School
- John F Kennedy High School
- Littleton High School
- Pleasant View Middle School
- Roosevelt High School
- Rye High School
- ThunderRidge High School

**Georgia**
- Brantley County High School
- Brookwood High School
- Buford Middle School
- Carrollton High School
- Chattahoochee High School
- Cherokee Bluff High School
- Cobb Innovation and Technology Academy
- Creekview High School
- East Laurens High School
- Hahira Middle School
- Innovation Academy
- Mill Creek High School
- Morrow High School
- Newton High School
- Pine Grove Middle School
- Putnam County Middle School
- Starr’s Mill High School
- Tattnall County High School
- Trion High School
- Westlake High School

**Idaho**
- Mountain View High School
- Renaissance High School

**Kentucky**
- Gateway Academy to Innovation & Technology
- Russell County High School

**Mississippi**
- DeSoto County Career and Technology Center West
- Natchez Middle School

**Missouri**
- Bayless High School
- Kickapoo High School

**Nevada**
- Advanced Technologies Academy

**Pennsylvania**
- Bedford High School
- Canon-McMillan
- Daniel Boone Area High School
- Mifflin County High School
- The Hill School

**Tennessee**
- Anderson County Career and Technical Center
- Cherokee High School
- Collierville High School
- Dickson County High School
- Houston High School
- Huntland School
- Middle College High School
- Robertsonville Middle School
- Sycamore High School

**Texas**
- Advanced Learning Academy
- BCM Biotech Academy at Rusk
- Blanson CTE High School
- CTCS Middle School

**Utah**
- Lone Peak High School

**Virginia**
- Colonial Forge High School
- Elkton Middle School
- James Madison High School
- Matoaca High School
- McLean High School
- Wakefield High School
- Westfield High School

**Washington**
- Blaine High School
- Edmonds-Woodway High School
- Ellensburg High School
- Evergreen Middle School
- Kirkland Middle School
- Lynnwood High School
- Roosevelt High School
- Stevens Middle School
- Tolt Middle School
- Whatcom Middle School

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.
## 2022-2023 Chapter Membership Milestones

**300+ Circle**

**Alabama**
- Autauga Co. Technology Center
- Brewbaker Tech Magnet High School
- Discovery Middle School
- Florence Middle School
- Hartselle High School
- Hillcrest Middle School
- Minor Middle School

**Delaware**
- Milford Senior High School
- Seaford Middle School
- Sussex Central High School

**Florida**
- Atlantic High School
- Booker High School
- Braden River High School
- Carlos E. Haile Middle School
- Celebration High School
- Central Middle School
- Coral Reef Senior High School
- Crooms Academy of Information Technology
- Dr. Mona Jain Middle School
- Dunbar High School
- FLVS (Florida Virtual School)
- Heritage High School
- Heron Creek Middle School
- Lake Asbury Junior High School
- Lakewood Ranch High School
- Lexington Middle School
- Louise R. Johnson Middle School
- Martha B King Middle School
- McIntosh Middle School
- Miami Sunset Senior High School
- Middleton High School
- Milwee Middle School
- North Port High School
- Palm Bay Magnet High School
- Pine View School
- R. Dan Nolan Middle School
- Riverview High School
- Robert Morgan Educational Center

**Georgia**
- Alliance Academy For Innovation
- Arabia Mountain High School
- Champion Theme Middle School
- Dr. Ronald E. McNair Middle School
- Dunwoody High School
- Freedom Middle School
- Gwinnett School of Math Science and Technology
- Harris County Carver Middle School
- Hart County High School
- Hart County Middle School
- Henderson Middle School
- Huntington Middle School
- Lakeside Middle School
- Liberty Middle School
- Lithonia Middle School
- Lowndes High School
- M. M. Bethune Middle School
- Midtown High School
- North Forsyth Middle School
- Otwell Middle School
- Parkview High School
- Riverwatch Middle School
- Sandtown Middle School
- Stephenson Middle School
- Tucker Middle School
- Woodville Tompkins Technical & Career High School

**Iowa**
- Dallas Center Grimes High School
- Iowa City West High School
- Johnston High School
- Johnston Middle School
- Pella High School - Career Academy
- Perry High School
- Prairieview School

**Kentucky**
- Bryan Station High School
- Camp Ernst Middle School
- Elkhorn Crossing School
- Frederick Douglass High School
- Grant County Middle School
- Johnson Central High School

**Maryland**
- Argyle Magnet Middle School

**Mississippi**
- Batesville Junior High School
- Cleveland Central Middle School
- Germantown High School
- Germantown Middle School
- Lafayette Middle School
- Madison Career & Technical Center
- Madison Central High School
- Madison Middle School
- Old Town Middle School
- Ridgeland High School
- SOCSD Partnership Middle School
- St. Martin Middle School

**Missouri**
- Blue Springs High School
- Frontier Stem High School

**Montana**
- Bozeman High School
- Gallatin High School

**Nevada**
- Pinecrest Academy Sloan Canyon
- Southwest Career and Technical Academy

**300+ Circle**

**300+ Circle**

**Florida**
- Atlantic High School
- Booker High School
- Braden River High School
- Carlos E. Haile Middle School
- Celebration High School
- Central Middle School
- Coral Reef Senior High School
- Crooms Academy of Information Technology
- Dr. Mona Jain Middle School
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- McIntosh Middle School
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- Milwee Middle School
- North Port High School
- Palm Bay Magnet High School
- Pine View School
- R. Dan Nolan Middle School
- Riverview High School
- Robert Morgan Educational Center
## 2022-2023 Chapter Membership Milestones

<table>
<thead>
<tr>
<th>300+ Circle</th>
<th>300+ Circle</th>
<th>300+ Circle</th>
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<tbody>
<tr>
<td><strong>New Jersey</strong></td>
<td><strong>Oklahoma</strong></td>
<td><strong>John Dubiski Career High School</strong></td>
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<tr>
<td>Ewing High School</td>
<td>Capps Middle School</td>
<td>Keller Center For Advanced Learning</td>
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<td>Howell High School</td>
<td>Carl Albert Middle School</td>
<td>MacArthur High School, Irving ISD</td>
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<td>Howell Township Middle School North</td>
<td>Centennial Middle School</td>
<td>McKinney High School</td>
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<tr>
<td>Howell Township Middle School South</td>
<td>Central Junior High School</td>
<td>Montwood High School</td>
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<tr>
<td>Marine Academy of Science and Technology</td>
<td>Central Middle School</td>
<td>Pebble Hills High School</td>
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<td>Union County Vocational-Technical School</td>
<td>Central Middle School Lawton</td>
<td>Socorro High School</td>
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<td>Claremore Will Rogers Junior High School</td>
<td>Stephen F. Austin Middle School</td>
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<tr>
<td><strong>New Mexico</strong></td>
<td>Collinsville Middle School</td>
<td>Texas Online Preparatory School Middle School</td>
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<td>Pecos Cyber Academy</td>
<td>Duncanville Middle School</td>
<td>Texas Virtual Academy at Hallsville</td>
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<td><strong>North Carolina</strong></td>
<td>Ernest Childers Middle School</td>
<td>Theodore Roosevelt High School Engineering &amp; Technologies Academy</td>
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<td>Apex Friendship High School</td>
<td>Irving Middle School</td>
<td>Travis B. Bryan High School</td>
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<td>Vanguard High School</td>
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<td>Ardrey Kell High School</td>
<td>Longfellow Middle School</td>
<td>Venus High School</td>
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<td>Atkins Academic and Technical High School</td>
<td>Memorial Middle School</td>
<td>Venus Middle School</td>
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<td>Charles B. Aycock High School</td>
<td>Purcell Junior High School</td>
<td>Waxahachie Global High School</td>
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<td>Clinton High School</td>
<td>Shawnee Middle School</td>
<td>Waxahachie High School</td>
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<td>Corinth Holders High School</td>
<td>Southridge Junior High School</td>
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<td>Tahlequah Middle School</td>
<td>Bala Cynwyd Middle School</td>
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<td>Highland School of Technology</td>
<td>The Center for Advanced Technical Studies</td>
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<td>Jackson Middle School</td>
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<td>Giles High School</td>
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<td>Jones Senior High School</td>
<td>Arthur L. Davila Middle School</td>
<td>Grassfield High School</td>
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<td>Bel Air High School</td>
<td>Holman Middle School</td>
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<td>Martin L. Nesbitt Discovery Academy</td>
<td>Bridgeland High School</td>
<td>James Wood High School</td>
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<td>McMichael High School</td>
<td>Captain John L Chapin High School</td>
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<td>Myers Park High School</td>
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<td>NC School of Science &amp; Math</td>
<td>Cleburne High School</td>
<td>Wilson Middle School</td>
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<td>New Bridge Middle School</td>
<td>Cypress Woods High School</td>
<td><strong>Washington</strong></td>
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<tr>
<td>Panther Creek High School</td>
<td>Digital Academy of Texas</td>
<td>Brier Terrace</td>
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<tr>
<td>Providence High School</td>
<td>Eastlake High School</td>
<td>Clarkston High School</td>
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<td>Riverside High School</td>
<td>El Dorado High School</td>
<td>Emerald Ridge High School</td>
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<td>Robert L. Patton High School</td>
<td>Hutto High School</td>
<td>Issaquah Middle School</td>
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<td>Seventy-First High School</td>
<td>James Earl Rudder High School</td>
<td>John Sedgwick Middle School</td>
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<td>South Mecklenburg High School</td>
<td>Jersey Village High School</td>
<td>Lake Stevens High School</td>
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<td>Tucker Creek Middle School</td>
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<td>Liberty High School</td>
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<td><strong>Ohio</strong></td>
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<td>Raisbeck Aviation High School</td>
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<td>Wenatchee Middle School</td>
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<td><strong>West Virginia</strong></td>
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<td>Clay County High School</td>
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<td></td>
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<td>Clay County Middle School</td>
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</tbody>
</table>

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Blue CAP chapters with 300 or more members are part of our 300+ Circle.
# 2022-2023 TSA Chapter Advisor of the Year Awards

## High School Chapter Advisor of the Year

<table>
<thead>
<tr>
<th>State</th>
<th>Advisor Name</th>
<th>School Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colorado</td>
<td>Katie Allison</td>
<td>Mountain Vista High School</td>
</tr>
<tr>
<td>Connecticut</td>
<td>Rebecca Wales-Szyluk</td>
<td>Windsor High School</td>
</tr>
<tr>
<td>Delaware</td>
<td>Roger Seedorf</td>
<td>MOT Charter High School</td>
</tr>
<tr>
<td>Florida</td>
<td>Rebecca Allen</td>
<td>Palm Bay Magnet High School</td>
</tr>
<tr>
<td>Georgia</td>
<td>Philip Peavy</td>
<td>Paul Duke STEM High School</td>
</tr>
<tr>
<td>Idaho</td>
<td>Andrew Smith</td>
<td>Renaissance High School</td>
</tr>
<tr>
<td>Indiana</td>
<td>Steve Sinish</td>
<td>Penn High School</td>
</tr>
<tr>
<td>Iowa</td>
<td>Todd Vander Velde</td>
<td>Rock Valley High School</td>
</tr>
<tr>
<td>Kansas</td>
<td>Michal Austin</td>
<td>Flinthills High School</td>
</tr>
<tr>
<td>Kentucky</td>
<td>Aaron Hunt</td>
<td>Bardstown High School</td>
</tr>
<tr>
<td>Mississippi</td>
<td>Kristi Jernigan</td>
<td>Winston-Louisville Career and Technology Center</td>
</tr>
<tr>
<td>Missouri</td>
<td>Jim Kreyling</td>
<td>Oakville Senior High School</td>
</tr>
<tr>
<td>New Jersey</td>
<td>Jameson Chin</td>
<td>Roselle Park High School</td>
</tr>
<tr>
<td>North Carolina</td>
<td>Jackie Harrell</td>
<td>Corinth Holders High School</td>
</tr>
<tr>
<td>North Dakota</td>
<td>Byron Borgen</td>
<td>Minot High School</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>Douglas Pauley</td>
<td>Bedford High School</td>
</tr>
<tr>
<td>Tennessee</td>
<td>Todd Livesay</td>
<td>Oak Ridge High School</td>
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<tr>
<td>Texas</td>
<td>Kristi Grove</td>
<td>Cypress Ranch High School</td>
</tr>
<tr>
<td>Utah</td>
<td>Vennie Della Cioppa</td>
<td>Timpanogos High School</td>
</tr>
<tr>
<td>Virginia</td>
<td>Jennifer Tolley</td>
<td>Deep Run High School</td>
</tr>
<tr>
<td>Washington</td>
<td>James Wilson</td>
<td>Mountlake Terrace High School</td>
</tr>
<tr>
<td>West Virginia</td>
<td>Sean Snedden</td>
<td>Hundred High School</td>
</tr>
</tbody>
</table>

## Middle School Chapter Advisor of the Year

<table>
<thead>
<tr>
<th>State</th>
<th>Advisor Name</th>
<th>School Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connecticut</td>
<td>Megan Rickis</td>
<td>Sage Park Middle School</td>
</tr>
<tr>
<td>Delaware</td>
<td>Laura Barnas</td>
<td>Postlethwait Middle School</td>
</tr>
<tr>
<td>Florida</td>
<td>Maria Behnkenn</td>
<td>Lake Asbury Junior High School</td>
</tr>
<tr>
<td>Georgia</td>
<td>LaShandia Hill</td>
<td>Wesleyan School Middle School</td>
</tr>
<tr>
<td>Indiana</td>
<td>Kim LeFever</td>
<td>South Adams Middle School</td>
</tr>
<tr>
<td>Iowa</td>
<td>Joe Huebbe</td>
<td>Johnston Middle School</td>
</tr>
<tr>
<td>Kansas</td>
<td>Deborah Jobe</td>
<td>Basehor-Linwood Middle School</td>
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<tr>
<td>Kentucky</td>
<td>Andrew Baldwin</td>
<td>Belfry Middle School</td>
</tr>
<tr>
<td>Missouri</td>
<td>Laura Lee</td>
<td>Antioch Middle School</td>
</tr>
<tr>
<td>New Jersey</td>
<td>Harrison D’Amico</td>
<td>Hilltop Country Day School</td>
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<tr>
<td>New York</td>
<td>David Buchner</td>
<td>DeWitt Middle School</td>
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<tr>
<td>North Carolina</td>
<td>Angela Sanders</td>
<td>Southwest Middle School</td>
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<tr>
<td>North Dakota</td>
<td>Dan Houston</td>
<td>Sible Middle School</td>
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<tr>
<td>Pennsylvania</td>
<td>Diana Rickert</td>
<td>Pennbork Middle School</td>
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<tr>
<td>Tennessee</td>
<td>Riley Speas</td>
<td>Hardin Valley Middle School</td>
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<tr>
<td>Texas</td>
<td>Holly Guthrie</td>
<td>El Campo Middle School</td>
</tr>
<tr>
<td>Utah</td>
<td>Kurt Twining</td>
<td>Evergreen Junior High School</td>
</tr>
<tr>
<td>Virginia</td>
<td>Charlene Gross</td>
<td>E. B. Stanley Middle School</td>
</tr>
<tr>
<td>Washington</td>
<td>Darla Van Corbach</td>
<td>Harrison Middle School</td>
</tr>
<tr>
<td>West Virginia</td>
<td>Jeremy Kelch</td>
<td>Long Drain Middle School</td>
</tr>
</tbody>
</table>
## Special Interest Sessions

### Thursday, June 29

<table>
<thead>
<tr>
<th>Session</th>
<th>Time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Strategies for Keeping Members Engaged in TSA</strong></td>
<td>1:00 PM – 2:00 PM; L014</td>
<td></td>
</tr>
</tbody>
</table>
| Join Pennsylvania TSA state officers as they discuss the importance of member involvement across the four levels of TSA: chapter, region, state, and national. In this presentation, the officers will share practical tips and strategies to engage members in fundraising activities, chapter office responsibilities, regional leadership opportunities, and state committee participation. Attendees will have the chance to learn from the experience gained by the Pennsylvania state officers and take away ideas for their own state and chapter. This session is recommended for any aspiring leaders within the organization.  
*Presented by Pennsylvania TSA: Zane Al-Saleem (Vice President), Elijah Adu (Sergeant-at-Arms), Miriam Ruback (Treasurer)* |
| **Developing and Achieving Personal TSA Goals**                                              | 2:30 PM – 3:30 PM; L014     |       |
| Join a session presented by Tennessee TSA state officers to learn about adaptive planning, achievable goals, and prioritization. During this workshop - through engagement in activities with fellow members - attendees will work to set goals to define a personal legacy in TSA.  
*Presented by Tennessee TSA: Eli Hicks (Outgoing State President), Yug Patel (Outgoing State Sergeant-at-Arms, Incoming State President), Odelia Kneiser (Incoming State Vice-President)* |
| **Engaging Students in Robotics**                                                            | 4:00 PM – 5:00 PM; L014     |       |
| Join this dynamic, engaging, and informative one-hour robotics workshop designed specifically for high school teachers. Through hands-on activities and interactive demonstrations, learn practical knowledge about robotics principles, programming basics, and the latest advancements in the field. Don’t miss this opportunity to ignite a passion for robotics in your classroom!  
*Presented by Nathan Hicks, Bluegrass Educational Technologies* |

### Friday, June 30

<table>
<thead>
<tr>
<th>Session</th>
<th>Time</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>How to Be Involved with the American Cancer Society (ACS)</strong></td>
<td>12:00 PM – 1:00 PM; L014</td>
<td></td>
</tr>
</tbody>
</table>
| This session will provide information on how to participate with the American Cancer Society for your annual service project. This will cover how to sign up and fun ways to participate!  
*Presented by Kelly Hurley, American Cancer Society* |
| **Building a Winning Junior Solar Sprint (JSS) Car**                                          | 2:30 PM – 3:30 PM; L014     |       |
| David Buchner and Carson Case are technology engineering teachers from DeWitt Middle School in Ithaca, New York. David and Carson have been instructing students about Junior Solar Sprint for 24 years! The presentation, which will cover the basics of how to build a JSS car – with an emphasis on design and engineering, is designed for teachers and students. Door prizes will be given at the end of the presentation.  
*Presented by David Buchner and Carson Case, DeWitt Middle School – Ithaca City School District* |
| **The Committee Craze?**                                                                      | 4:00 PM – 5:00 PM; L014     |       |
| Hear about Virginia TSA’s standing committees, a system unique to the state. While officers may be elected without a way to make an immediate contribution, a guarantee is that a Virginia officer will be a committee chair. This ensures defined systems in which chairs and members can collaborate on certain issues to be brought before the executive council.  
*Presented by Virginia TSA: Kushal Gowda (President), Allie Florence (South Central President), William Collins (Immediate Past President)* |
Special Interest Sessions

Saturday, July 1

LifeSmarts – A Consumer Education Program for Students  
12:00 PM – 1:00 PM; L004
Learn about the nation’s premier consumer program that provides real world education about core consumer topics and develops critical thinking skills. Discover many scholarship opportunities and ways to be involved in the LifeSmarts program. Test your knowledge and skills in this interactive session that will give you resources to take home to any group or classroom.

*Presented by Megan Pintus*

A Model for TSA State Officer Mentoring  
1:00 PM – 2:00 PM; L014
Washington TSA state officers will present an overview of their state’s officer mentoring program. This program gives prospective officer candidates a thorough understanding of the responsibilities involved in serving as a state officer, allows members to step up to the next level of leadership development, and gives member prospects a chance to work one-on-one with state officers throughout the year.

*Presented by Washington TSA: Thea Smith (President), Nolan Pierce (Vice President), Peter Whitney (Treasurer)*

A STEM Research Program: Junior Science and Humanities Symposium (JSHS)  
1:30 PM – 2:30 PM; L004
Keep your students engaged in STEM! Join our presenter and learn how your high school students can earn scholarships and expand their horizons through JSHS, a Department of Defense (DoD)-sponsored STEM research program.

*Presented by National Science Teaching Association (NSTA)*

Keeping Members Engaged at TSA Conferences  
2:30 PM – 3:30 PM; L014
The session will highlight Georgia TSA’s year-long chapter engagement and involvement incentives, starting with the Georgia CORE (Chapter Officer Retreat for Excellence) Conference, when Georgia state officers and established chapters train local chapter officers and help them develop an annual plan for their school. Also, promotional/marketing and recognitions programs will be explained; these programs are used in conference events and include the White Star membership program, Team Player recognitions, and Conference Spirit Sticks. The presentation will focus on ways to create and encourage member and chapter participation, recognition, and engagement at conferences.

*Presented by Georgia TSA: Brooke Slone, (President), Bryce Ware (Sergeant-at-Arms), Liam Bell (2nd Vice President)*

Middle School Guide Overview 2024-2025  
3:00 PM – 3:45 PM; L004
The Competition Regulations Committee SME Team Lead and SME members will discuss competitive event changes and reveal the new event for the 2024–2025 competitive event guide.
State Delegations

State Delegation Meetings
State delegation meetings will be held the evening of Wednesday, June 28, to review the conference agenda and plans for the state delegation. (Everyone needs to attend.) Additional state delegation meetings may be held June 29, June 30, and July 1. Please refer to the schedule below for your state delegation meeting dates and times. All meetings take place in the Kentucky International Convention Center (KICC) unless otherwise noted. All state delegation meetings must end by 9:30 PM.

<table>
<thead>
<tr>
<th>State</th>
<th>Time</th>
<th>Room Location</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wednesday, June 28</strong></td>
<td></td>
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</tr>
<tr>
<td>Alabama</td>
<td>6:00 PM – 7:30 PM</td>
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<td>American Samoa</td>
<td>6:00 PM – 7:30 PM</td>
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<td>California</td>
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<td>Delaware</td>
<td>6:00 PM – 7:30 PM</td>
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<td>District of Columbia</td>
<td>6:00 PM – 7:30 PM</td>
<td>L028</td>
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<tr>
<td>Florida</td>
<td>6:00 PM – 7:30 PM</td>
<td>Ballroom C</td>
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<tr>
<td>Georgia</td>
<td>6:00 PM – 7:30 PM</td>
<td>L016</td>
</tr>
<tr>
<td>Idaho</td>
<td>6:00 PM – 7:30 PM</td>
<td>M113</td>
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<tr>
<td>Illinois</td>
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<td>Kentucky</td>
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<td>Omni Germantown</td>
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<tr>
<td>West Virginia</td>
<td>8:00 PM – 9:30 PM</td>
<td>Ballroom B</td>
</tr>
</tbody>
</table>
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 Kentucky International Convention Center (KICC) during their designated day and time.

Share Your Photos!
Get social with TSA at the 2023 National TSA Conference in Louisville, Kentucky! Share your photos and videos during the conference, and don’t forget to tag @NationalTSA and use #ForeverTSA. We can’t wait to see how the members are enjoying the conference!

Follow us on:

@NationalTSA
/NationalTSA
@nationaltsa

<table>
<thead>
<tr>
<th>Time</th>
<th>State</th>
<th>Time</th>
<th>State</th>
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<tbody>
<tr>
<td>Thursday, June 29</td>
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<td>12:00 PM</td>
<td>Arkansas</td>
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<td>Illinois</td>
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<td>Colorado</td>
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<td>South Carolina</td>
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<td>1:45 PM</td>
<td>New Jersey</td>
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<td>Missouri</td>
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<td>Mississippi</td>
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<td>Pennsylvania</td>
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<td>Idaho</td>
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<td>Utah</td>
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<td>3:15 PM</td>
<td>Alabama</td>
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<td>Virginia</td>
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<td>3:30 PM</td>
<td>Texas</td>
<td>3:30 PM</td>
<td>North Carolina</td>
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<tr>
<td>3:45 PM</td>
<td>District of Columbia</td>
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<td>Indiana</td>
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<td>4:00 PM</td>
<td>Rhode Island</td>
<td>4:00 PM</td>
<td>Ohio</td>
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<td>4:15 PM</td>
<td>Nevada</td>
<td>4:15 PM</td>
<td>Oregon</td>
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<tr>
<td>4:30 PM</td>
<td>Germany</td>
<td>4:30 PM</td>
<td>American Samoa</td>
</tr>
</tbody>
</table>
Code of Conduct

This Code of Conduct applies to all persons attending the national TSA conference, including, but not limited to, all student members, advisors, alumni, parents, volunteers, and guests. All attendees are expected to conduct themselves in a polite, civil, and respectful manner towards others, and must comply with all applicable laws.

1. Unacceptable behavior will not be tolerated, such as the following:
   - abusive language
   - bullying
   - discrimination
   - threatening behavior
   - sexual harassment
   - causing physical harm

2. No alcoholic beverages, narcotics, firearms, or weapons, in any form, shall be possessed by attendees at any time, under any circumstances.

3. All student attendees must keep their advisor informed of their activities and/or whereabouts at all times.

4. Attendees should be prompt and prepared for all activities.

5. Attendees should be financially prepared for any unexpected expense.

6. Attendees shall be off the convention center grounds by curfew or immediately following the last scheduled event.

7. No student attendee shall leave the conference hotels or convention center unless permission has been received from his or her chapter advisor.

8. Attendees are required to attend all general sessions and activities assigned, including competitive events, meetings, etc.

9. Identification (conference name badges) must be worn and be visible on a TSA lanyard by all conference attendees at the convention center.

10. National TSA Dress Code must be followed by all attendees.

11. All conference attendees must follow facility guidelines for adhering signs, notices, posters, etc. to walls, doors, or any facility surface. There shall be no defacing of public property. Any damages to the property or furnishings in the hotel rooms or buildings must be paid for by the individual(s) or chapter(s) responsible.

12. No helium or water balloons are permitted at the conference.

13. Attendees violating or ignoring any of the conduct rules will subject their entire delegation to being unseated and their candidates or competitive event participants being disqualified. Individual attendees may be sent home immediately at their own expense.

14. Curfews will be enforced. All student attendees will be in their assigned hotel rooms by the announced curfew times.

15. 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 attendees for the purpose of reviewing conference activities, 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 student attendees, along with contact information, so that the advisor may be reached during the conference at any time.

3. Each advisor shall be responsible for ensuring that all student attendees adhere to all conduct practices and procedures, as published in this document.

4. Chapter advisors will be responsible for their student attendees’ conduct.

5. The rules, as stated in this Code of Conduct and in the National TSA Dress Code, apply to advisors and parents as well as students.

Safety and Security

The safety and security of all persons who attend the conference is of utmost concern to the governing body of TSA. There are numerous security guards, provided by the convention center 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 badge) must be worn and be visible on a TSA lanyard by all conference attendees at the convention center after June 28th.
- The mandatory student attendee curfew is 10:00pm.
- The conference is not “open to the public.”
- The TSA Code of Conduct must be followed by all attendees.

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, including any item of monetary or personal value and 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 event coordinators.
## Competitive Events Check-in

All events take place in the Kentucky International Convention Center (KICC) unless otherwise noted.

### Wednesday, June 28

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30 PM – 9:45 PM</td>
<td>Dragster – MS</td>
<td>North Hall C</td>
</tr>
<tr>
<td></td>
<td>Dragster Design – HS</td>
<td>North Hall C</td>
</tr>
<tr>
<td>8:00 PM – 9:00 PM</td>
<td>Animatronics – HS</td>
<td>M101</td>
</tr>
<tr>
<td></td>
<td>Challenging Technology Issues – MS</td>
<td>L001</td>
</tr>
<tr>
<td></td>
<td>Extemporaneous Speech – HS</td>
<td>M102</td>
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<tr>
<td></td>
<td>Leadership Strategies – MS</td>
<td>L002</td>
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<tr>
<td></td>
<td>Prepared Presentation – HS</td>
<td>M105</td>
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<tr>
<td></td>
<td>Prepared Speech – MS</td>
<td>L003</td>
</tr>
<tr>
<td></td>
<td>Software Development – HS</td>
<td>M106</td>
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<tr>
<td>8:00 PM – 9:45 PM</td>
<td>Children’s Stories – HS</td>
<td>L027</td>
</tr>
<tr>
<td></td>
<td>Children’s Stories – MS</td>
<td>L028</td>
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<tr>
<td></td>
<td>Drone Challenge (UAV) – HS</td>
<td>Ballroom A</td>
</tr>
<tr>
<td></td>
<td>Promotional Design – HS</td>
<td>L029</td>
</tr>
<tr>
<td></td>
<td>Virtual Reality Visualization (VR) – HS</td>
<td>L025</td>
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### Thursday, June 29

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>7:30 AM – 8:30 AM</td>
<td>Fashion Design and Technology – HS</td>
<td>M111</td>
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<tr>
<td></td>
<td>Microcontroller Design – MS</td>
<td>M107</td>
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<tr>
<td></td>
<td>Structural Design and Engineering – HS</td>
<td>M103</td>
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<tr>
<td></td>
<td>Structural Engineering – MS</td>
<td>M100</td>
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<tr>
<td>11:00 AM – 12:00 PM</td>
<td>Debating Technological Issues – HS</td>
<td>M104</td>
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<tr>
<td></td>
<td>Flight – MS</td>
<td>South Hall B</td>
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<tr>
<td></td>
<td>Junior Solar Sprint – MS</td>
<td>South Hall B</td>
</tr>
<tr>
<td></td>
<td>Senior Solar Sprint – HS</td>
<td>South Hall B</td>
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<tr>
<td>12:00 PM – 12:30 PM</td>
<td>Computer-Aided Design (CAD), Architecture – HS</td>
<td>M112</td>
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<tr>
<td>12:00 PM – 7:00 PM</td>
<td>VEX IQ – MS</td>
<td>Marriott Ballroom</td>
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<td>VEX VRC – HS</td>
<td>Marriott Ballroom</td>
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<tr>
<td>1:30 PM – 2:00 PM</td>
<td>Geospatial Technology – HS</td>
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### Friday, June 30

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>11:00 AM – 11:45 AM</td>
<td>Flight Endurance – HS</td>
<td>South Hall B</td>
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<tr>
<td>11:00 AM – 12:00 PM</td>
<td>Mechanical Engineering – MS</td>
<td>M104</td>
</tr>
<tr>
<td>11:00 AM – 2:30 PM</td>
<td>Technology Problem Solving – HS</td>
<td>Ballroom C</td>
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<tr>
<td>11:30 AM – 1:30 PM</td>
<td>Essays on Technology – MS</td>
<td>M107</td>
</tr>
<tr>
<td>1:30 AM – 12:00 PM</td>
<td>Computer-Aided Design (CAD) Foundations – MS</td>
<td>M108</td>
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<td>12:00 PM – 12:30 PM</td>
<td>Computer-Aided Design (CAD), Engineering – HS</td>
<td>M112</td>
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<tr>
<td>2:30 PM – 5:00 PM</td>
<td>Essays on Technology – HS</td>
<td>M107</td>
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<tr>
<td>3:00 PM – 6:30 PM</td>
<td>Problem Solving – MS</td>
<td>Ballroom C</td>
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### Saturday, July 1

<table>
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<td>11:00 AM – 12:00 PM</td>
<td>System Control Technology – HS</td>
<td>M108</td>
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<tr>
<td></td>
<td>System Control Technology – MS</td>
<td>M107</td>
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## Competitive Events Schedule – HS

All events take place in the Kentucky International Convention Center (KICC) unless otherwise noted.

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
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<tbody>
<tr>
<td><strong>Animatronics – HS</strong></td>
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<tr>
<td>Preliminary Round</td>
<td>Wednesday, June 28; 8:00 PM-9:00 PM</td>
<td>M101</td>
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<tr>
<td></td>
<td>Friday, June 30; 11:00 AM-6:00 PM</td>
<td>M110</td>
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<tr>
<td><strong>Architectural Design – HS</strong></td>
<td>Thursday, June 29; 11:00 AM</td>
<td>South Hall A</td>
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<tr>
<td>Preliminary Round</td>
<td>Thursday, June 29; 4:00 PM-6:00 PM</td>
<td>South Hall A</td>
</tr>
<tr>
<td>Semifinalist team</td>
<td>Saturday, July 1; 11:00 AM-11:10 AM</td>
<td>South Hall A</td>
</tr>
<tr>
<td>Chapter Team – HS</td>
<td>Thursday, June 29; 3:00 PM-4:30 PM</td>
<td>Ballroom C</td>
</tr>
<tr>
<td>Preliminary Round</td>
<td>Thursday, June 29; 1:00 PM-1:10 PM</td>
<td>L022</td>
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<tr>
<td>Semifinalist team</td>
<td>Thursday, June 29; 1:30 PM-4:00 PM</td>
<td>L022</td>
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<tr>
<td><strong>Biotechnology Design – HS</strong></td>
<td>Thursday, June 29; 4:00 PM-6:00 PM</td>
<td>South Hall A</td>
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<td>Semifinalist team</td>
<td>Saturday, July 1; 11:00 AM-11:10 AM</td>
<td>South Hall A</td>
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<tr>
<td><strong>Board Game Design – HS</strong></td>
<td>Thursday, June 29; 4:00 PM–6:00 PM</td>
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<tr>
<td>Preliminary Round</td>
<td>Saturday, July 1; 11:00 AM–11:10 AM</td>
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<tr>
<td>Semifinalist team</td>
<td>Saturday, July 1; 11:30 AM–2:00 PM</td>
<td>South Hall A</td>
</tr>
<tr>
<td><strong>Children’s Stories – HS</strong></td>
<td>Wednesday, June 28; 8:00 PM–9:45 PM</td>
<td>L027</td>
</tr>
<tr>
<td>Preliminary Round</td>
<td>Friday, June 30; 12:30 PM–12:40 PM</td>
<td>L024</td>
</tr>
<tr>
<td>Semifinalist team</td>
<td>Friday, June 30; 1:00 PM–5:00 PM</td>
<td>L024</td>
</tr>
<tr>
<td><strong>Coding – HS</strong></td>
<td>Thursday, June 29; 11:00 AM–12:30 PM</td>
<td>Ballroom E</td>
</tr>
<tr>
<td>Preliminary Round</td>
<td>Friday, June 30; 1:00 PM–5:00 PM</td>
<td>L015</td>
</tr>
<tr>
<td>Semifinals – presentation</td>
<td>All entries MUST be picked up</td>
<td>South Hall A</td>
</tr>
<tr>
<td>Semifinals – interviews</td>
<td>South Hall A</td>
<td></td>
</tr>
<tr>
<td>All entries MUST be picked</td>
<td>South Hall A</td>
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</tr>
</tbody>
</table>
# Competitive Events Schedule – HS

## Computer-Aided Design (CAD), Architecture – HS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – check-in and set up</td>
<td>Thursday, June 29; 12:00 PM – 12:30 PM</td>
<td>M112</td>
</tr>
<tr>
<td>Preliminary Round – on-site performance</td>
<td>Thursday, June 29; 12:30 PM – 5:00 PM</td>
<td>M112</td>
</tr>
<tr>
<td>Preliminary Round – evaluation and interviews</td>
<td>Thursday, June 29; 5:00 PM – 6:30 PM</td>
<td>M112</td>
</tr>
</tbody>
</table>

## Computer-Aided Design (CAD), Engineering – HS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – check-in and set up</td>
<td>Friday, June 30; 12:00 PM – 12:30 PM</td>
<td>M112</td>
</tr>
<tr>
<td>Preliminary Round – on-site performance</td>
<td>Friday, June 30; 12:30 PM – 5:00 PM</td>
<td>M112</td>
</tr>
<tr>
<td>Preliminary Round – evaluation and interviews</td>
<td>Friday, June 30; 5:00 PM – 6:30 PM</td>
<td>M112</td>
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</table>

## Data Science and Analytics – HS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – list is posted of the 24 teams to sign up for presentation time</td>
<td>Thursday, June 29; 11:00 AM</td>
<td>Website/App/Display Board</td>
</tr>
<tr>
<td>Preliminary Round – team representative report for presentation time</td>
<td>Thursday, June 29; 1:30 PM – 1:40 PM</td>
<td>M101</td>
</tr>
<tr>
<td>Preliminary Round – scientific poster presentations</td>
<td>Thursday, June 29; 2:00 PM – 6:30 PM</td>
<td>M101</td>
</tr>
<tr>
<td>Semifinals – on-site problem</td>
<td>Saturday, July 1; 11:30 AM – 2:00 PM</td>
<td>M115</td>
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</table>

## Debating Technological Issues – HS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>Preliminary Round – check-in, receive the subtopic, and sign up for debate time</td>
<td>Thursday, June 29; 11:00 AM – 12:00 PM</td>
<td>M104</td>
</tr>
<tr>
<td>Preliminary Round – teams report for heat room assignment</td>
<td>Thursday, June 29; 1:00 PM – 5:00 PM</td>
<td>L021</td>
</tr>
<tr>
<td>Preliminary Round – heat rooms</td>
<td>Thursday, June 29; 1:00 PM – 5:00 PM</td>
<td>L017-L018-L020</td>
</tr>
<tr>
<td>Semifinalist team representative report for debate time</td>
<td>Friday, June 30; 1:00 PM – 1:10 PM</td>
<td>M016</td>
</tr>
<tr>
<td>Semifinals – holding and preparation room</td>
<td>Friday, June 30; 1:30 PM – 4:00 PM</td>
<td>M016</td>
</tr>
<tr>
<td>Semifinals – debate room</td>
<td>Friday, June 30; 1:30 PM – 4:00 PM</td>
<td>M015</td>
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</table>

## Digital Video Production – HS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Semifinalist team representative report for interview time</td>
<td>Friday, June 30; 12:00 PM – 12:10 PM</td>
<td>M114</td>
</tr>
<tr>
<td>Semifinals – interviews</td>
<td>Friday, June 30; 12:30 PM – 2:30 PM</td>
<td>M114</td>
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</table>

## Dragster Design – HS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – check-in and submit entry</td>
<td>Wednesday, June 28; 8:00 PM – 9:45 PM</td>
<td>North Hall C</td>
</tr>
<tr>
<td>Preliminary Round – time trials</td>
<td>Thursday, June 29; 1:30 PM – 5:30 PM</td>
<td>North Hall C</td>
</tr>
<tr>
<td>Semifinalists report for interview time</td>
<td>Friday, June 30; 11:00 AM – 11:10 AM</td>
<td>North Hall C</td>
</tr>
<tr>
<td>Semifinalists interviews (Top 16 cars)</td>
<td>Friday, June 30; 11:15 AM – 12:45 PM</td>
<td>North Hall C</td>
</tr>
<tr>
<td>Semifinals – head-to-head double elimination bracket</td>
<td>Friday, June 30; 3:00 PM – 5:00 PM</td>
<td>North Hall C</td>
</tr>
<tr>
<td>All entries MUST be picked up</td>
<td>Friday, June 30; 5:30 PM – 6:00 PM</td>
<td>North Hall C</td>
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</table>

## Drone Challenge (UAV) – HS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – check-in, submit materials, and sign up for onsite challenge time</td>
<td>Wednesday, June 28; 8:00 PM – 9:45 PM</td>
<td>Ballroom A</td>
</tr>
<tr>
<td>Preliminary Round – team orientation meeting</td>
<td>Thursday, June 29; 11:00 AM – 11:15 AM</td>
<td>Ballroom A</td>
</tr>
<tr>
<td>Semifinalist team representative report for interview time</td>
<td>Thursday, June 29; 11:30 AM – 6:00 PM</td>
<td>Ballroom A</td>
</tr>
<tr>
<td>Semifinals – interviews</td>
<td>Thursday, June 29; 11:30 AM – 6:00 PM</td>
<td>Ballroom A</td>
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</tbody>
</table>

## Engineering Design – HS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>Preliminary Round – check-in and submit entry</td>
<td>Thursday, June 29; 4:00 PM – 6:00 PM</td>
<td>South Hall A</td>
</tr>
<tr>
<td>Semifinalist team representative report for presentation/interview time</td>
<td>Saturday, July 1; 11:00 AM – 11:10 AM</td>
<td>South Hall A</td>
</tr>
<tr>
<td>Semifinals – presentation/interviews</td>
<td>Saturday, July 1; 11:30 AM – 2:00 PM</td>
<td>South Hall A</td>
</tr>
<tr>
<td>Semifinals – presentation/interviews</td>
<td>Saturday, July 1; 1:00 PM – 3:30 PM</td>
<td>South Hall A</td>
</tr>
<tr>
<td>All entries MUST be picked up</td>
<td>Saturday, July 1; 4:30 PM – 5:00 PM</td>
<td>South Hall A</td>
</tr>
</tbody>
</table>
## Competitive Events Schedule – HS

### Essays on Technology – HS
- **Friday, June 30; 2:30 PM – 5:00 PM**
  - Preliminary Round – check-in and essay writing  
  - M107

### Extemporaneous Speech – HS
- **Wednesday, June 28; 8:00 PM – 9:00 PM**
  - Preliminary Round – check-in and sign up for heat time  
  - M102
- **Thursday, June 29; 1:00 PM – 5:00 PM**
  - Preliminary Round – preparation room and heat room assignmnt  
  - M105
- **Thursday, June 29; 1:00 PM – 5:00 PM**
  - Preliminary Round – heat rooms  
  - M106-M115-M116
- **Friday, June 30; 1:00 PM – 1:10 PM**
  - Semifinalists report for speech time  
  - M105
- **Friday, June 30; 1:30 PM – 4:00 PM**
  - Semifinals – preparation room  
  - M105
- **Friday, June 30; 1:30 PM – 4:00 PM**
  - Semifinals – presentation room  
  - M106

### Fashion Design and Technology – HS
- **Thursday, June 29; 7:30 AM – 8:30 AM**
  - Preliminary Round – check-in and submit entry  
  - M111
- **Thursday, June 29; 7:00 PM – 7:30 PM**
  - All entries MUST be picked up  
  - M111
- **Saturday, July 1; 12:30 PM – 12:40 PM**
  - Semifinalist team representative report for presentation/interview time  
  - M109
- **Saturday, July 1; 1:00 PM – 3:30 PM**
  - Semifinals – presentation/interviews  
  - M109

### Flight Endurance – HS
- **Friday, June 30; 11:00 AM – 11:45 AM**
  - Preliminary Round – check-in, submit entry for impound, and sign up for flight time  
  - South Hall B
- **Friday, June 30; 11:45 AM – 12:00 PM**
  - Preliminary Round – pilot’s meeting  
  - South Hall B
- **Friday, June 30; 12:00 PM – 6:00 PM**
  - Preliminary Round – trim & fly, time trials  
  - South Hall B
- **Saturday, July 1; 3:00 PM – 4:00 PM**
  - All entries MUST be picked up  
  - South Hall B

### Forensic Science – HS
- **Thursday, June 29; 1:00 PM – 2:30 PM**
  - Preliminary Round – written test  
  - Ballroom E
- **Friday, June 30; 12:30 PM – 12:40 PM**
  - Semifinalist team representative report for onsite analysis time  
  - M101
- **Friday, June 30; 1:00 PM – 5:30 PM**
  - Semifinals – on-site challenge written analysis room  
  - M101
- **Friday, June 30; 1:00 PM – 5:30 PM**
  - Semifinals – on-site challenge room  
  - M102

### Future Technology and Engineering Teacher – HS
- **Friday, June 30; 12:00 PM – 12:10 PM**
  - Semifinalists report for presentation time  
  - M113
- **Friday, June 30; 12:30 PM – 3:30 PM**
  - Semifinals – lesson plan presentation and interviews  
  - M113

### Geospatial Technology – HS
- **Thursday, June 29; 11:00 AM**
  - Preliminary Round – list is posted of the 24 teams to submit the visual infographic map Website/App/Display Board
- **Thursday, June 29; 1:30 PM – 2:00 PM**
  - Preliminary Round – check-in and submit entry  
  - L013
- **Friday, June 30; 12:30 PM – 12:40 PM**
  - Semifinalist team representative report for presentation/interview time  
  - L013
- **Friday, June 30; 1:00 PM – 3:30 PM**
  - Semifinals – presentation/interviews  
  - L013
- **Friday, June 30; 5:00 PM – 5:30 PM**
  - All entries MUST be picked up  
  - L013

### Manufacturing Prototype – HS
- **Thursday, June 29; 4:00 PM – 6:00 PM**
  - Preliminary Round – check-in and submit entry  
  - South Hall A
- **Saturday, July 1; 11:00 AM – 11:10 AM**
  - Semifinalist team representative report for demonstration/sales pitch time  
  - South Hall A
- **Saturday, July 1; 11:30 AM – 2:00 PM**
  - Semifinals – demonstration/sales pitch  
  - South Hall A
- **Saturday, July 1; 4:30 PM – 5:00 PM**
  - All entries MUST be picked up  
  - South Hall A
<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Music Production – HS</strong></td>
<td></td>
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<tr>
<td>Semifinalist team representative report for interview time</td>
<td>Friday, June 30; 12:00 PM – 12:10 PM</td>
<td>L022</td>
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<tr>
<td>Semifinals – interviews</td>
<td>Friday, June 30; 12:30 PM – 3:00 PM</td>
<td>L022</td>
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<tr>
<td><strong>On Demand Video – HS</strong></td>
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<tr>
<td>Preliminary Round – check-in and team representative meeting to receive the on-site challenge</td>
<td>Thursday, June 29; 7:00 PM – 7:30 PM</td>
<td>Ballroom D</td>
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<tr>
<td>Preliminary Round – submit entry by 36 hour deadline</td>
<td>Saturday, July 1; 7:00 AM – 7:30 AM</td>
<td>Online submission</td>
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<tr>
<td><strong>Photographic Technology – HS</strong></td>
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<tr>
<td>Semifinals – receive semifinal problem and sign up for presentation/interview time</td>
<td>Thursday, June 29; 11:00 AM – 11:30 AM</td>
<td>L016</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semifinals – solution submission</td>
<td>Friday, June 30; 11:00 AM – 11:30 AM</td>
<td>L016</td>
<td></td>
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</tr>
<tr>
<td>Semifinals – presentations/interviews</td>
<td>Saturday, July 1; 1:00 PM – 3:30 PM</td>
<td>Boardroom B</td>
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<tr>
<td><strong>Prepared Presentation – HS</strong></td>
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<tr>
<td>Preliminary Round – check-in and sign-up for heat time</td>
<td>Wednesday, June 28; 8:00 PM – 9:00 PM</td>
<td>M105</td>
<td></td>
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<tr>
<td>Preliminary Round – presentation holding room</td>
<td>Thursday, June 29; 1:00 PM – 5:00 PM</td>
<td>L001</td>
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<tr>
<td>Preliminary Round – presentation room</td>
<td>Thursday, June 29; 1:00 PM – 5:00 PM</td>
<td>L001-L002-L003</td>
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<tr>
<td>Semifinalists report for presentation time</td>
<td>Saturday, July 1; 12:30 PM – 12:40 PM</td>
<td>L029</td>
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<tr>
<td>Semifinals – presentations</td>
<td>Saturday, July 1; 1:00 PM – 3:30 PM</td>
<td>L029</td>
<td></td>
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<tr>
<td><strong>Promotional Design – HS</strong></td>
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<tr>
<td>Preliminary Round – check-in and submit entry</td>
<td>Wednesday, June 28; 8:00 PM – 9:45 PM</td>
<td>L029</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preliminary Round – practice runs</td>
<td>Friday, June 30; 11:00 AM – 12:00 PM</td>
<td>South Hall B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preliminary Round – time trials</td>
<td>Friday, June 30; 3:00 PM – 6:00 PM</td>
<td>South Hall B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preliminary Round – Focus Groups</td>
<td>Friday, June 30; 4:00 PM – 6:00 PM</td>
<td>South Hall B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semifinalist team representative report for interview time</td>
<td>Saturday, July 1; 11:00 AM – 11:10 AM</td>
<td>South Hall B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semifinals – interviews</td>
<td>Saturday, July 1; 11:30 AM – 1:00 PM</td>
<td>South Hall B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semifinals – head-to-head races</td>
<td>Saturday, July 1; 3:30 PM – 5:30 PM</td>
<td>South Hall B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All entries MUST be picked up</td>
<td>Saturday, July 1; 5:30 PM – 6:00 PM</td>
<td>South Hall B</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Senior Solar Sprint – HS</strong></td>
<td></td>
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<tr>
<td>Preliminary Round – check-in and submit entries</td>
<td>Thursday, June 29; 11:00 AM – 12:00 PM</td>
<td>South Hall B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preliminary Round – practice runs</td>
<td>Friday, June 30; 11:00 AM – 12:00 PM</td>
<td>South Hall B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preliminary Round – time trials</td>
<td>Friday, June 30; 3:00 PM – 6:00 PM</td>
<td>South Hall B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preliminary Round – Focus Groups</td>
<td>Friday, June 30; 4:00 PM – 6:00 PM</td>
<td>South Hall B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semifinalist team representative report for interview time</td>
<td>Saturday, July 1; 11:00 AM – 11:10 AM</td>
<td>South Hall B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semifinals – interviews</td>
<td>Saturday, July 1; 11:30 AM – 1:00 PM</td>
<td>South Hall B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semifinals – head-to-head races</td>
<td>Saturday, July 1; 3:30 PM – 5:30 PM</td>
<td>South Hall B</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semifinals – presentations</td>
<td>Saturday, July 1; 5:30 PM – 6:00 PM</td>
<td>South Hall B</td>
<td></td>
<td></td>
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<tr>
<td><strong>Software Development – HS</strong></td>
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<tr>
<td>Preliminary Round – check-in and sign up for presentation/interview time</td>
<td>Wednesday, June 28; 8:00 PM – 9:00 PM</td>
<td>M106</td>
<td></td>
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<tr>
<td>Preliminary Round – preparation room and heat room assignment</td>
<td>Friday, June 30; 1:00 PM – 5:00 PM</td>
<td>L017</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preliminary Round – heat rooms</td>
<td>Friday, June 30; 1:00 PM – 5:00 PM</td>
<td>L017-L018-L020</td>
<td></td>
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<tr>
<td>Semifinalist team representative report for presentation time</td>
<td>Saturday, July 1; 12:30 PM – 12:40 PM</td>
<td>L020</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semifinals – presentations</td>
<td>Saturday, July 1; 1:00 PM – 3:30 PM</td>
<td>L020</td>
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</tbody>
</table>
# Competitive Events Schedule – HS

## Structural Design and Engineering – HS

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – check-in and submit entry</td>
<td>Thursday, June 29; 7:30 AM – 8:30 AM</td>
<td>M103</td>
</tr>
<tr>
<td>Semifinals – on-site design and build</td>
<td>Friday, June 30; 11:00 AM – 2:30 PM</td>
<td>M103</td>
</tr>
<tr>
<td>Semifinals – destructive test</td>
<td>Saturday, July 1; 1:00 PM – 2:30 PM</td>
<td>M103</td>
</tr>
<tr>
<td>All entries MUST be picked up</td>
<td>Saturday, July 1; 4:00 PM – 4:30 PM</td>
<td>M103</td>
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</table>

## System Control Technology – HS

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – Phase #1: Check-in and the team captain completes set-up</td>
<td>Saturday, July 1; 11:00 AM – 12:00 PM</td>
<td>M108</td>
</tr>
<tr>
<td>Preliminary Round – Phase #2: Problem analysis</td>
<td>Saturday, July 1; 12:00 PM – 2:45 PM</td>
<td>M108</td>
</tr>
<tr>
<td>Preliminary Round – Phase #3: Model development and programming</td>
<td>Saturday, July 1; 2:45 PM – 5:15 PM</td>
<td>M108</td>
</tr>
<tr>
<td>Preliminary Round – solution judging and interviews</td>
<td>Saturday, July 1; 5:30 PM – 6:00 PM</td>
<td>M108</td>
</tr>
<tr>
<td>All entries MUST be picked up</td>
<td>Saturday, July 1; 5:30 PM – 6:00 PM</td>
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## Technology Bowl – HS

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – written test</td>
<td>Thursday, June 29; 5:00 PM – 6:30 PM</td>
<td>Ballroom C</td>
</tr>
<tr>
<td>Semifinals – holding room</td>
<td>Friday, June 30; 3:00 PM – 6:00 PM</td>
<td>L030</td>
</tr>
<tr>
<td>Semifinals – competition room</td>
<td>Friday, June 30; 3:00 PM – 6:00 PM</td>
<td>L016</td>
</tr>
</tbody>
</table>

## Technology Problem Solving – HS

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – Check-in, design solution, and evaluation</td>
<td>Friday, June 30; 11:00 AM – 2:30 PM</td>
<td>Ballroom C</td>
</tr>
</tbody>
</table>

## Transportation Modeling – HS

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – Check-in and submit entry</td>
<td>Thursday, June 29; 4:00 PM – 6:00 PM</td>
<td>South Hall A</td>
</tr>
<tr>
<td>Semifinalists report for interview time</td>
<td>Saturday, July 1; 11:00 AM – 11:10 AM</td>
<td>South Hall A</td>
</tr>
<tr>
<td>Semifinals – interviews</td>
<td>Saturday, July 1; 11:30 AM – 2:00 PM</td>
<td>South Hall A</td>
</tr>
<tr>
<td>All entries MUST be picked up</td>
<td>Saturday, July 1; 4:30 PM – 5:00 PM</td>
<td>South Hall A</td>
</tr>
</tbody>
</table>

## VEX VRC – HS

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Team Check-In, Inspection, Skills Matches</td>
<td>Thursday, June 29; 12:00 PM – 7:00 PM</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>Judging, Skills Matches</td>
<td>Friday, June 30; 11:30 AM – 7:00 PM</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>Judging, Skills Matches STOPPING TIME IS 3:00 PM</td>
<td>Saturday, July 1; 3:15 PM – 4:30 PM</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>VRC Elimination Rounds</td>
<td>Saturday, July 1; 3:15 PM – 4:30 PM</td>
<td>Marriott Ballroom</td>
</tr>
</tbody>
</table>

## Video Game Design – HS

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semifinalist team representative report for interview time</td>
<td>Friday, June 30; 12:30 PM – 12:40 PM</td>
<td>L021</td>
</tr>
<tr>
<td>Semifinals – interviews</td>
<td>Friday, June 30; 1:00 PM – 3:30 PM</td>
<td>L021</td>
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</tbody>
</table>

## Virtual Reality Visualization (VR) – HS

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Date/Time</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Semifinalist team representative report for interview time</td>
<td>Wednesday, June 28; 8:00 PM – 9:45 PM</td>
<td>L025</td>
</tr>
<tr>
<td>Semifinalist team representative report for interview time</td>
<td>Saturday, July 1; 12:00 PM – 12:10 PM</td>
<td>M101</td>
</tr>
<tr>
<td>Semifinals – presentation/interviews</td>
<td>Saturday, July 1; 12:30 PM – 3:00 PM</td>
<td>M101</td>
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</tbody>
</table>

## Webmaster – HS

<table>
<thead>
<tr>
<th>Event Type</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semifinalist team representative report for interview time</td>
<td>Friday, June 30; 12:30 PM – 12:40 PM</td>
<td>L029</td>
</tr>
<tr>
<td>Semifinals – interviews</td>
<td>Friday, June 30; 1:00 PM – 3:30 PM</td>
<td>L029</td>
</tr>
</tbody>
</table>
## Competitive Events Schedule – MS

All events take place in the Kentucky International Convention Center (KICC) unless otherwise noted.

### Biotechnology – MS

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday, June 29</td>
<td>3:00 PM – 5:00 PM</td>
<td>South Hall A</td>
<td>Preliminary Round – check-in and submit entry</td>
</tr>
<tr>
<td><strong>Saturday, July 1</strong></td>
<td><strong>11:00 AM – 11:10 AM</strong></td>
<td>South Hall A</td>
<td>Semifinalist team representative report for presentation/interview time</td>
</tr>
<tr>
<td><strong>Saturday, July 1</strong></td>
<td><strong>11:30 AM – 2:00 PM</strong></td>
<td>South Hall A</td>
<td>Semifinals – presentation/interviews</td>
</tr>
<tr>
<td><strong>Saturday, July 1</strong></td>
<td><strong>4:30 PM – 5:00 PM</strong></td>
<td>South Hall A</td>
<td>All entries MUST be picked up</td>
</tr>
</tbody>
</table>

### Career Prep – MS

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday, June 30</td>
<td>12:30 PM – 12:40 PM</td>
<td>Boardroom C</td>
<td>Semifinalists report for interview time</td>
</tr>
<tr>
<td>Friday, June 30</td>
<td>1:00 PM – 3:30 PM</td>
<td>Boardroom C</td>
<td>Semifinals – interviews</td>
</tr>
</tbody>
</table>

### Challenging Technology Issues – MS

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday, June 28</td>
<td>8:00 PM – 9:00 PM</td>
<td>L001</td>
<td>Preliminary Round – check-in and sign-up for heat time</td>
</tr>
<tr>
<td>Friday, June 30</td>
<td>1:00 PM – 5:00 PM</td>
<td>L026</td>
<td>Preliminary Round – heats prep room and heat room assignment</td>
</tr>
<tr>
<td>Friday, June 30</td>
<td>1:00 PM – 5:00 PM</td>
<td>L025-L027-L028</td>
<td>Preliminary Round – heat rooms</td>
</tr>
<tr>
<td><strong>Saturday, July 1</strong></td>
<td><strong>12:00 PM – 12:10 PM</strong></td>
<td>L027</td>
<td>Semifinalist team representative report for presentation time</td>
</tr>
<tr>
<td><strong>Saturday, July 1</strong></td>
<td><strong>12:30 PM – 3:00 PM</strong></td>
<td>L027</td>
<td>Semifinals – preparation room</td>
</tr>
<tr>
<td><strong>Saturday, July 1</strong></td>
<td><strong>12:30 PM – 3:00 PM</strong></td>
<td>L028</td>
<td>Semifinals – presentation room</td>
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</table>

### Chapter Team – MS

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday, June 29</td>
<td>1:00 PM – 2:30 PM</td>
<td>Ballroom C</td>
<td>Preliminary Round – written test</td>
</tr>
<tr>
<td><strong>Friday, June 30</strong></td>
<td><strong>5:00 PM – 5:10 PM</strong></td>
<td>L021</td>
<td>Semifinalist team representative report for presentation time</td>
</tr>
<tr>
<td><strong>Saturday, July 1</strong></td>
<td><strong>12:00 PM – 4:00 PM</strong></td>
<td>L017</td>
<td>Semifinals – presentation room</td>
</tr>
<tr>
<td><strong>Saturday, July 1</strong></td>
<td><strong>12:00 PM – 4:00 PM</strong></td>
<td>L022</td>
<td>Semifinals – chapter minutes</td>
</tr>
</tbody>
</table>

### Children's Stories – MS

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wednesday, June 28</td>
<td>8:00 PM – 9:45 PM</td>
<td>L028</td>
<td>Preliminary Round – check-in and submit entry</td>
</tr>
<tr>
<td><strong>Saturday, July 1</strong></td>
<td><strong>12:00 PM – 12:10 PM</strong></td>
<td>M110</td>
<td>Semifinalist team representative report for presentation time</td>
</tr>
<tr>
<td><strong>Saturday, July 1</strong></td>
<td><strong>12:30 PM – 3:30 PM</strong></td>
<td>M110</td>
<td>Semifinals – presentations</td>
</tr>
<tr>
<td><strong>Saturday, July 1</strong></td>
<td><strong>12:30 PM – 3:30 PM</strong></td>
<td>M110</td>
<td>Semifinals – presentation</td>
</tr>
<tr>
<td><strong>Saturday, July 1</strong></td>
<td><strong>4:30 PM – 5:00 PM</strong></td>
<td>South Hall A</td>
<td>All entries MUST be picked up</td>
</tr>
</tbody>
</table>

### Coding – MS

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday, June 29</td>
<td>3:00 PM – 4:30 PM</td>
<td>Ballroom E</td>
<td>Preliminary Round – written test</td>
</tr>
<tr>
<td><strong>Saturday, July 1</strong></td>
<td><strong>12:00 PM – 4:00 PM</strong></td>
<td>M113</td>
<td>Semifinals – on-site programming challenge</td>
</tr>
</tbody>
</table>

### Community Service Video – MS

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday, June 29</td>
<td>1:00 PM – 1:10 PM</td>
<td>L029</td>
<td>Semifinalist team representative report for interview time</td>
</tr>
<tr>
<td><strong>Thursday, June 29</strong></td>
<td><strong>1:30 PM – 4:00 PM</strong></td>
<td>L029</td>
<td>Semifinals – interviews</td>
</tr>
</tbody>
</table>
## Competitive Events Schedule – MS

### Computer-Aided Design (CAD) Foundations – MS
- **Friday, June 30; 11:30 AM – 12:00 PM**
  - Preliminary Round – check-in and orientation/set up
- **Friday, June 30; 12:00 PM – 2:00 PM**
  - Preliminary Round – solution development
- **Friday, June 30; 2:00 PM – 3:00 PM**
  - Preliminary Round – evaluation

### Construction Challenge – MS
- **Thursday, June 29; 3:00 PM – 5:00 PM**
  - Preliminary Round – check-in and submit entry
- **Saturday, July 1; 11:00 AM – 11:10 AM**
  - Semifinalist team representative report for presentation/interview time
- **Saturday, July 1; 11:30 AM – 2:00 PM**
  - Semifinals – presentation/interviews
- **Saturday, July 1; 4:30 PM – 5:00 PM**
  - All entries MUST be picked up

### Cybersecurity – MS
- **Friday, June 30; 11:00 AM – 12:30 PM**
  - Preliminary round – written test
- **Saturday, July 1; 12:00 PM – 12:10 PM**
  - Semifinalist team representative report for presentation/interview time
- **Saturday, July 1; 12:30 PM – 3:30 PM**
  - Semifinals – presentations

### Data Science and Analytics – MS
- **Thursday, June 29; 3:00 PM – 5:00 PM**
  - Preliminary Round – check-in and submit entry
- **Saturday, July 1; 12:00 PM – 12:10 PM**
  - Semifinalist team representative report for on-site challenge time
- **Saturday, July 1; 12:30 PM – 3:30 PM**
  - Semifinals – on-site challenge preparation room
- **Saturday, July 1; 12:30 PM – 3:30 PM**
  - Semifinals – on-site challenge presentation room
- **Saturday, July 1; 4:30 PM – 5:00 PM**
  - All entries MUST be picked up

### Digital Photography – MS
- **Saturday, July 1; 11:00 AM – 11:30 AM**
  - Semifinalists set up
- **Saturday, July 1; 11:30 AM – 2:30 PM**
  - Semifinals – on-site challenge
- **Saturday, July 1; 2:30 PM – 4:30 PM**
  - Semifinals – interviews

### Dragster – MS
- **Wednesday, June 28; 7:30 PM – 9:45 PM**
  - Preliminary Round – check-in and submit entry
- **Thursday, June 29; 1:30 PM – 5:30 PM**
  - Preliminary Round – time trials
- **Friday, June 30; 11:00 AM – 11:10 AM**
  - Semifinalists report for interview time
- **Friday, June 30; 11:15 AM – 12:45 PM**
  - Semifinalists interviews (Top 16 cars)
- **Friday, June 30; 1:00 PM – 3:00 PM**
  - Semifinals – head-to-head double elimination bracket
- **Friday, June 30; 5:30 PM – 6:00 PM**
  - All entries MUST be picked up

### Electrical Applications – MS
- **Friday, June 30; 1:00 PM – 2:30 PM**
  - Preliminary Round – written test
- **Saturday, July 1; 12:00 PM – 4:30 PM**
  - Semifinals – on-site problem and interviews

### Essays on Technology – MS
- **Friday, June 30; 11:30 AM – 1:30 PM**
  - Preliminary Round – detailed outline
- **Saturday, July 1; 11:30 AM – 1:30 PM**
  - Semifinals – essays

### Essays on Technology – MS
- **Friday, June 30; 11:30 AM – 1:30 PM**
  - Preliminary Round – detailed outline
- **Saturday, July 1; 11:30 AM – 1:30 PM**
  - Semifinals – essays

### Essays on Technology – MS
- **Friday, June 30; 11:30 AM – 1:30 PM**
  - Preliminary Round – detailed outline
- **Saturday, July 1; 11:30 AM – 1:30 PM**
  - Semifinals – essays
## Competitive Events Schedule – MS

### Flight – MS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – check-in and sign-up for preliminary testing time</td>
<td>Thursday, June 29; 11:00 AM – 12:00 PM</td>
<td>South Hall B</td>
</tr>
<tr>
<td>Preliminary Round – testing</td>
<td>Thursday, June 29; 12:30 PM – 4:00 PM</td>
<td>South Hall B</td>
</tr>
<tr>
<td>Semifinals – construction, time trials, and evaluation</td>
<td>Friday, June 30; 1:00 PM – 4:00 PM</td>
<td>South Hall B</td>
</tr>
<tr>
<td>All entries MUST be picked up</td>
<td>Friday, June 30; 6:00 PM – 6:30 PM</td>
<td>South Hall B</td>
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</table>

### Forensic Technology – MS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – written test</td>
<td>Thursday, June 29; 5:00 PM – 6:30 PM</td>
<td>Ballroom E</td>
</tr>
<tr>
<td>Semifinalist team representative report for presentation time</td>
<td>Saturday, July 1; 12:00 PM – 12:10 PM</td>
<td>L021</td>
</tr>
<tr>
<td>Semifinals – presentations</td>
<td>Saturday, July 1; 12:30 PM – 3:30 PM</td>
<td>L021</td>
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</tbody>
</table>

### Foundations of Information Technology (FIT) – MS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – written test</td>
<td>Friday, June 30; 3:00 PM – 4:30 PM</td>
<td>Ballroom E</td>
</tr>
</tbody>
</table>

### Inventions and Innovations – MS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – check-in and submit entry</td>
<td>Thursday, June 29; 3:00 PM – 5:00 PM</td>
<td>South Hall A</td>
</tr>
<tr>
<td>Semifinalist team representative report for presentation/interview time</td>
<td>Saturday, July 1; 11:00 AM – 11:10 AM</td>
<td>South Hall A</td>
</tr>
<tr>
<td>Semifinals – presentation/interviews</td>
<td>Saturday, July 1; 11:30 AM – 2:00 PM</td>
<td>South Hall A</td>
</tr>
<tr>
<td>All entries MUST be picked up</td>
<td>Saturday, July 1; 4:30 PM – 5:00 PM</td>
<td>South Hall A</td>
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</table>

### Junior Solar Sprint – MS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – check-in and submit entries</td>
<td>Thursday, June 29; 11:00 AM – 12:00 PM</td>
<td>South Hall B</td>
</tr>
<tr>
<td>Preliminary Round – practice runs</td>
<td>Friday, June 30; 11:00 AM – 12:00 PM</td>
<td>South Hall B</td>
</tr>
<tr>
<td>Preliminary Round – time trials</td>
<td>Friday, June 30; 12:00 PM – 3:00 PM</td>
<td>South Hall B</td>
</tr>
<tr>
<td>Preliminary Round – Focus Groups</td>
<td>Friday, June 30; 1:00 PM – 3:00 PM</td>
<td>South Hall B</td>
</tr>
<tr>
<td>Preliminary Round – Focus Groups</td>
<td>Friday, June 30; 6:00 PM – 6:30 PM</td>
<td>South Hall B</td>
</tr>
<tr>
<td>Semifinalist team representative report for interview time</td>
<td>Saturday, July 1; 11:00 AM – 11:10 AM</td>
<td>South Hall B</td>
</tr>
<tr>
<td>Semifinals – interviews</td>
<td>Saturday, July 1; 1:30 PM – 3:30 PM</td>
<td>South Hall B</td>
</tr>
<tr>
<td>Semifinals – head-to-head races</td>
<td>Saturday, July 1; 1:30 PM – 3:30 PM</td>
<td>South Hall B</td>
</tr>
<tr>
<td>Semifinals – head-to-head races</td>
<td>Saturday, July 1; 5:30 PM – 6:00 PM</td>
<td>South Hall B</td>
</tr>
<tr>
<td>All entries MUST be picked up</td>
<td>Saturday, July 1; 11:30 AM – 1:00 PM</td>
<td>South Hall B</td>
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</tbody>
</table>

### Leadership Strategies – MS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Round – check-in and sign-up for heat time</td>
<td>Wednesday, June 28; 8:00 PM – 9:00 PM</td>
<td>L002</td>
</tr>
<tr>
<td>Preliminary Round – preparation room and heat room assignment</td>
<td>Thursday, June 29; 1:00 PM – 5:00 PM</td>
<td>L026</td>
</tr>
<tr>
<td>Preliminary Round – heat rooms</td>
<td>Thursday, June 29; 1:00 PM – 5:00 PM</td>
<td>L025-L027-L028</td>
</tr>
<tr>
<td>Semifinalist team representative report for presentation time</td>
<td>Saturday, July 1; 12:00 PM – 12:10 PM</td>
<td>L024</td>
</tr>
<tr>
<td>Semifinals – preparation room</td>
<td>Saturday, July 1; 12:30 PM – 3:00 PM</td>
<td>L024</td>
</tr>
<tr>
<td>Semifinals – presentation room</td>
<td>Saturday, July 1; 12:30 PM – 3:00 PM</td>
<td>L025</td>
</tr>
</tbody>
</table>
## Competitive Events Schedule – MS

### Mass Production – MS
- **Thursday, June 29; 3:00 PM – 5:00 PM**
  - Preliminary Round – check-in and submit entry
  - South Hall A
- **Saturday, July 1; 11:00 AM – 11:10 AM**
  - Semifinalist team representative report for presentation/interview time
  - South Hall A
- **Saturday, July 1; 11:30 AM – 2:00 PM**
  - Semifinals – presentation/interviews
  - South Hall A
- **Saturday, July 1; 4:30 PM – 5:00 PM**
  - All entries MUST be picked up
  - South Hall A

### Mechanical Engineering – MS
- **Friday, June 30; 11:00 AM – 12:00 PM**
  - Preliminary Round – check-in and sign-up for a performance time slot
  - M104
- **Friday, June 30; 2:00 PM – 5:00 PM**
  - Preliminary Round – solution testing and interviews
  - M104
- **Saturday, July 1; 4:00 PM – 4:30 PM**
  - All entries MUST be picked up
  - M104

### Medical Technology – MS
- **Thursday, June 29; 3:00 PM – 5:00 PM**
  - Preliminary Round – check-in and submit entry
  - South Hall A
- **Saturday, July 1; 11:00 AM – 11:10 AM**
  - Semifinalist team representative report for presentation/interview time
  - South Hall A
- **Saturday, July 1; 11:30 AM – 2:00 PM**
  - Semifinals – presentation/interviews
  - South Hall A
- **Saturday, July 1; 4:30 PM – 5:00 PM**
  - All entries MUST be picked up
  - South Hall A

### Microcontroller Design – MS
- **Thursday, June 29; 7:30 AM – 8:30 AM**
  - Preliminary Round – check-in, submit entry, and sign-up for presentation time
  - M107
- **Thursday, June 29; 1:00 PM – 6:00 PM**
  - Preliminary Round – presentations
  - M107

### Off the Grid – MS
- **Thursday, June 29; 3:00 PM – 5:00 PM**
  - Preliminary Round – check-in and submit entry
  - South Hall A
- **Saturday, July 1; 11:00 AM – 11:10 AM**
  - Semifinalist team representative report for presentation/interview time
  - South Hall A
- **Saturday, July 1; 11:30 AM – 2:00 PM**
  - Semifinals – presentation/interviews
  - South Hall A
- **Saturday, July 1; 4:30 PM – 5:00 PM**
  - All entries MUST be picked up
  - South Hall A

### Prepared Speech – MS
- **Wednesday, June 28; 8:00 PM – 9:00 PM**
  - Preliminary Round – check-in and sign-up for heat time
  - L003
- **Friday, June 30; 1:00 PM – 5:00 PM**
  - Preliminary Round – report for heat room assignment
  - L001
- **Friday, June 30; 1:00 PM – 5:00 PM**
  - Preliminary Round – heat rooms L001-L002-L003
- **Saturday, July 1; 12:00 PM – 12:10 PM**
  - Semifinalists report for speech time
  - L001
- **Saturday, July 1; 12:30 PM – 3:00 PM**
  - Semifinals – speeches
  - L001

### Problem Solving – MS
- **Friday, June 30; 3:00 PM – 6:30 PM**
  - Preliminary Round – check-in, design solution, and evaluation
  - Ballroom C

### Promotional Marketing – MS
- **Thursday, June 29; 1:00 PM – 1:30 PM**
  - Semifinalists set up
  - L024
- **Thursday, June 29; 1:30 PM – 4:30 PM**
  - Semifinals – on-site problem and evaluation
  - L024

### STEM Animation – MS
- **Thursday, June 29; 1:00 PM – 1:10 PM**
  - Semifinalist team representative report for presentation time
  - L015
- **Thursday, June 29; 1:30 PM – 4:00 PM**
  - Semifinals – presentations
  - L015
## Competitive Events Schedule – MS

### Structural Engineering – MS
- **Thursday, June 29; 7:30 AM – 8:30 AM**
  Preliminary Round – check-in and submit entry
- **Friday, June 30; 11:00 AM – 2:30 PM**
  Semifinals – on-site design and build
- **Saturday, July 1; 1:00 PM – 2:30 PM**
  Semifinals – destructive test
- **Saturday, July 1; 4:00 PM – 4:30 PM**
  All entries MUST be picked up

### System Control Technology – MS
- **Saturday, July 1; 11:00 AM – 12:00 PM**
  Preliminary Round – check-in and set up
- **Saturday, July 1; 12:00 PM – 12:15 PM**
  Preliminary Round – problem analysis
- **Saturday, July 1; 12:15 PM – 2:45 PM**
  Preliminary Round – problem solving
- **Saturday, July 1; 2:45 PM – 5:15 PM**
  Preliminary Round – solution judging
- **Saturday, July 1; 5:30 PM – 6:00 PM**
  All entries MUST be picked up

### Tech Bowl – MS
- **Thursday, June 29; 11:00 AM – 12:30 PM**
  Preliminary Round – written test
- **Saturday, July 1; 2:00 PM – 5:00 PM**
  Semifinals – holding room
- **Saturday, July 1; 2:00 PM – 5:00 PM**
  Semifinals – competition room

### Technical Design – MS
- **Thursday, June 29; 6:00 PM – 6:30 PM**
  Preliminary Round – check-in and pick up on-site problem
- **Friday, June 30; 6:00 PM – 6:30 PM**
  Preliminary Round – submit solution

### VEX IQ – MS
- **Thursday, June 29; 12:00 PM – 7:00 PM**
  Team Check-In, Inspection, Judging, Skills Matches
- **Friday, June 30; 11:30 AM – 2:30 PM**
  Judging, Skills Matches
- **Friday, June 30; 3:00 PM – 3:30 PM**
  Teamwork Finals, Top 10 IQ Teams

### Video Game Design – MS
- **Saturday, July 1; 12:00 PM – 12:10 PM**
  Semifinalist team representative report for interview time
- **Saturday, July 1; 12:30 PM – 3:00 PM**
  Semifinals – interviews

### Website Design – MS
- **Saturday, July 1; 1:00 PM – 1:10 PM**
  Semifinalists team representative report for interview time
- **Saturday, July 1; 1:30 PM – 4:00 PM**
  Semifinals – interviews
### TEAMS* Event Schedule

All TEAMS* events take place in the Omni Hotel unless otherwise noted.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Friday, June 30, 2023</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00 AM – 12:00 PM</td>
<td>TEAMS Orientation</td>
<td>Omni Commonwealth 3</td>
<td></td>
</tr>
<tr>
<td>12:00 PM – 9:00 PM</td>
<td>Presentation</td>
<td>Various Locations</td>
<td></td>
</tr>
<tr>
<td>1:00 PM – 2:30 PM</td>
<td>Multiple Choice</td>
<td>Omni Commonwealth 5</td>
<td></td>
</tr>
<tr>
<td>3:00 PM – 4:30 PM</td>
<td>Multiple Choice</td>
<td>Omni Commonwealth 5</td>
<td></td>
</tr>
<tr>
<td>9:00 PM</td>
<td>Submission</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Saturday, July 1, 2023</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00 AM – 10:00 AM</td>
<td>Design/Build</td>
<td>Omni Commonwealth 5</td>
<td></td>
</tr>
<tr>
<td>11:00 AM – 1:00 PM</td>
<td>Design/Build</td>
<td>Omni Commonwealth 5</td>
<td></td>
</tr>
<tr>
<td><strong>Sunday, July 2, 2023</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00 AM – 11:00 AM</td>
<td>Awards Ceremony</td>
<td>KICC North Hall D</td>
<td></td>
</tr>
</tbody>
</table>

*Tests of Engineering Aptitude, Mathematics, and Science

### Solar Sprint Event Schedule

All Solar Sprint events take place in the Kentucky International Convention Center (KICC) unless otherwise noted.

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Thursday, June 29, 2023</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00 AM – 12:00 PM</td>
<td>Preliminary Round</td>
<td>South Hall B</td>
<td></td>
</tr>
<tr>
<td><strong>Friday, June 30, 2023</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00 AM – 12:00 PM</td>
<td>Preliminary Round</td>
<td>South Hall B</td>
<td></td>
</tr>
<tr>
<td>12:00 PM – 3:00 PM</td>
<td>Junior Solar Sprint Preliminary Round – time trials</td>
<td>South Hall B</td>
<td></td>
</tr>
<tr>
<td>1:00 PM – 3:00 PM</td>
<td>Junior Solar Sprint Preliminary Round – Focus Groups</td>
<td>South Hall B</td>
<td></td>
</tr>
<tr>
<td>3:00 PM – 6:00 PM</td>
<td>Senior Solar Sprint Preliminary Round – time trials</td>
<td>South Hall B</td>
<td></td>
</tr>
<tr>
<td>4:00 PM – 6:00 PM</td>
<td>Senior Solar Sprint Preliminary Round – Focus Groups</td>
<td>South Hall B</td>
<td></td>
</tr>
<tr>
<td><strong>Saturday, July 1, 2023</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00 AM – 11:10 AM</td>
<td>Semifinalist team representative report for interview time</td>
<td>South Hall B</td>
<td></td>
</tr>
<tr>
<td>11:30 AM – 1:00 PM</td>
<td>Semifinals – interviews</td>
<td>South Hall B</td>
<td></td>
</tr>
<tr>
<td>1:30 PM – 3:30 PM</td>
<td>Junior Solar Sprint Semifinals – head-to-head races</td>
<td>South Hall B</td>
<td></td>
</tr>
<tr>
<td>3:30 PM – 5:30 PM</td>
<td>Senior Solar Sprint Semifinals – head-to-head races</td>
<td>South Hall B</td>
<td></td>
</tr>
<tr>
<td>5:30 PM – 6:00 PM</td>
<td>All entries MUST be picked up</td>
<td>South Hall B</td>
<td></td>
</tr>
<tr>
<td><strong>Sunday, July 2, 2023</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00 AM – 11:00 AM</td>
<td>Awards Ceremony</td>
<td>North Hall D</td>
<td></td>
</tr>
</tbody>
</table>
Program of Activities

All events take place in the Kentucky International Convention Center (KICC) unless otherwise noted.

<table>
<thead>
<tr>
<th>Wednesday, June 28</th>
<th>Thursday, June 29</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:00 PM – 4:00 PM</td>
<td>7:15 AM – 8:45 AM</td>
</tr>
<tr>
<td>National TSA Officer Candidates Meeting</td>
<td>State Flag Representatives Meeting</td>
</tr>
<tr>
<td>5:00 PM – 5:45 PM</td>
<td>7:30 AM – 8:30 AM</td>
</tr>
<tr>
<td>State Delegation Meetings Box Pickup</td>
<td>Preliminary Round – check-in and submit entry</td>
</tr>
<tr>
<td>5:00 PM – 6:00 PM</td>
<td>Fashion Design and Technology – HS</td>
</tr>
<tr>
<td>Mandatory Coordinators Meeting</td>
<td>Structural Design and Engineering – HS</td>
</tr>
<tr>
<td>5:00 PM – 8:00 PM</td>
<td>Structural Engineering – MS</td>
</tr>
<tr>
<td>Information Desk Open</td>
<td>Preliminary Round – check-in, submit entry, and sign up for presentation time</td>
</tr>
<tr>
<td>6:00 PM – 7:30 PM</td>
<td>Microcontroller Design – MS</td>
</tr>
<tr>
<td>State Delegation Meetings</td>
<td>8:00 AM – 5:00 PM</td>
</tr>
<tr>
<td>7:30 PM – 9:45 PM</td>
<td>Information Desk Open</td>
</tr>
<tr>
<td>Preliminary Round – check-in and submit entry</td>
<td>Market Street Pre-function</td>
</tr>
<tr>
<td>Dragster – MS</td>
<td>9:00 AM – 11:00 AM</td>
</tr>
<tr>
<td>Dragster Design – HS</td>
<td>Opening General Session (General Session I)</td>
</tr>
<tr>
<td>8:00 PM – 9:00 PM</td>
<td>11:00 AM</td>
</tr>
<tr>
<td>Preliminary Round – check-in and sign-up for setup time</td>
<td>Preliminary Round – list is posted of the 24 teams to submit model</td>
</tr>
<tr>
<td>Animatronics – HS</td>
<td>Architectural Design – HS</td>
</tr>
<tr>
<td>Preliminary Round – check-in and sign-up for heat time</td>
<td>Website/App/Display Board</td>
</tr>
<tr>
<td>Challenging Technology Issues – MS</td>
<td>Preliminary Round – list is posted of the 24 teams to sign up for presentation time</td>
</tr>
<tr>
<td>Extemporaneous Speech – HS</td>
<td>Data Science and Analytics – HS</td>
</tr>
<tr>
<td>Leadership Strategies – MS</td>
<td>Website/App/Display Board</td>
</tr>
<tr>
<td>Prepared Presentation – HS</td>
<td>Preliminary Round – list is posted of the 24 teams to submit the visual infographic map</td>
</tr>
<tr>
<td>Prepared Speech – MS</td>
<td>Geospatial Technology – HS</td>
</tr>
<tr>
<td>Preliminary Round – check-in and sign up for presentation/interview time</td>
<td>Website/App/Display Board</td>
</tr>
<tr>
<td>Software Development – HS</td>
<td>11:00 AM – 11:15 AM</td>
</tr>
<tr>
<td>Preliminary Round – check-in and submit entry</td>
<td>Preliminary Round – team orientation meeting</td>
</tr>
<tr>
<td>Children's Stories – HS</td>
<td>Drone Challenge (UAV) – HS</td>
</tr>
<tr>
<td>Children's Stories – MS</td>
<td>Ballroom A</td>
</tr>
<tr>
<td>Promotional Design – HS</td>
<td>11:00 AM – 11:30 AM</td>
</tr>
<tr>
<td>Virtual Reality Visualization (VR) – HS</td>
<td>Semifinals – receive semifinal problem and sign up for presentation/interview time</td>
</tr>
<tr>
<td>Preliminary Round – check-in, submit materials, and sign up for onsite challenge time</td>
<td>Photographic Technology – HS</td>
</tr>
<tr>
<td>Drone Challenge (UAV) – HS</td>
<td>L016</td>
</tr>
<tr>
<td>10:00 PM</td>
<td>CURFEW</td>
</tr>
</tbody>
</table>
Program of Activities

Thursday, June 29

11:00 AM – 12:00 PM
TSA Pin Exchange  Market Street Pre-function
Preliminary Round – check-in and submit entries
Junior Solar Sprint – MS  South Hall B
Senior Solar Sprint – HS  South Hall B
Preliminary Round – check-in and sign-up for preliminary testing time
Flight – MS  South Hall B
Preliminary Round – check-in, receive the subtopic, and sign up for debate time
Debating Technological Issues – HS  M104

11:30 AM – 12:00 PM
Advisory Update Meeting  Ballroom D
Preliminary Round – written test
Coding – HS  Ballroom E
Tech Bowl – MS  Ballroom C

11:30 AM – 6:00 PM
Preliminary Round – time trials
Drone Challenge (UAV) – HS  Ballroom A

12:00 PM – 12:30 PM
Preliminary Round – check-in and set up
Computer-Aided Design (CAD), Architecture – HS  M112

12:00 PM – 7:00 PM
Team Check-In, Inspection, Judging, Skills Matches
VEX IQ – MS  Marriott Ballroom
Team Check-In, Inspection, Skills Matches
VEX VRC – HS  Marriott Ballroom

12:30 PM – 1:30 PM
Kent Julian Leadership Training – High School Members
“Signature Moves (Understanding Your Greatest Strengths and the Strengths of Those Around You)”  L004

12:30 PM – 2:30 PM
State Advisor Forum  Boardroom B

12:30 PM – 4:00 PM
Preliminary Round – testing
Flight – MS  South Hall B

12:30 PM – 5:00 PM
Preliminary Round – on-site performance
Computer-Aided Design (CAD), Architecture – HS  M112

1:00 PM – 1:10 PM
Semifinalist team representative report for interview time
Audio Podcasting – HS  L022
Community Service Video – MS  L029

1:00 PM – 1:30 PM
Semifinalists set up
Promotional Marketing – MS  L024

1:00 PM – 2:00 PM
State Presidents Meeting  L019

Special Interest Session
“Strategies for Keeping Members Engaged in TSA”  L014

1:30 PM – 2:30 PM
Preliminary Round – written test
Chapter Team – MS  Ballroom C
Forensic Science – HS  Ballroom E

1:00 PM – 5:00 PM
Preliminary Round – teams report for heat room assignment
Debating Technological Issues – HS  L021
Preliminary Round – preparation room
and heat room assignment
Extemporaneous Speech – HS  M105
Leadership Strategies – MS  L026
Preliminary Round – heat rooms
Debating Technological Issues – HS  L017-L018-L020
Extemporaneous Speech – HS  M106-M115-M116
Leadership Strategies – MS  L025-L027-L028
Preliminary Round – presentation holding room
Prepared Presentation – HS  L001
Preliminary Round – presentation room
Prepared Presentation – HS  L001-L002-L003

1:30 PM – 1:40 PM
Preliminary Round – representative report for presentation time
Data Science and Analytics – HS  M101

1:00 PM – 6:00 PM
Preliminary Round – presentations
Microcontroller Design – MS  M107

1:30 PM – 2:00 PM
Preliminary Round – check-in and submit entry
Geospatial Technology – HS  L013
Program of Activities

Thursday, June 29

1:30 PM – 4:00 PM
Semifinals – interviews
Audio Podcasting – HS L022
Community Service Video – MS L029

Semifinals – presentations
STEM Animation – MS L015

1:30 PM – 4:30 PM
Semifinals – on-site problem and evaluation
Promotional Marketing – MS L024

1:30 PM – 5:30 PM
Preliminary Round – time trials
Dragster – MS North Hall C
Dragster Design – HS North Hall C

2:00 PM – 2:30 PM
State Officers Network Session L019

2:00 PM – 3:00 PM
Kent Julian Leadership Training – Advisors
“Signature Moves (Understanding Your Greatest Strengths – and the Strengths of Those Around You)” L004

2:00 PM – 6:30 PM
Preliminary Round – scientific poster presentations
Data Science and Analytics – HS M101

2:30 PM – 3:30 PM
Special Interest Session
“Developing and Achieving Personal TSA Goals” L014

3:00 PM – 4:30 PM
Preliminary Round – written test
Chapter Team – HS Ballroom C
Coding – MS Ballroom E

3:00 PM – 5:00 PM
Preliminary Round – check-in and submit entry
Biotechnology – MS South Hall A
Construction Challenge – MS South Hall A
Data Science and Analytics – MS South Hall A
Inventions and Innovations – MS South Hall A
Mass Production – MS South Hall A
Medical Technology – MS South Hall A
Off the Grid – MS South Hall A

3:30 PM – 4:30 PM
Kent Julian Leadership Training – Middle School Members
“Signature Moves (Understanding Your Greatest Strengths – and the Strengths of Those Around You)” L004

4:00 PM – 5:00 PM
Special Interest Session
“Engaging Students in Robotics” L014

4:00 PM – 6:00 PM
Preliminary Round – check-in and submit entry
Architectural Design – HS South Hall A
Biotechnology Design – HS South Hall A
Board Game Design – HS South Hall A
Engineering Design – HS South Hall A
Manufacturing Prototype – HS South Hall A
Transportation Modeling – HS South Hall A

5:00 PM – 6:00 PM
TSA Region 1-5 Meeting (State Officers only)
• Region 1 (CT, DE, DC, ME, MA, NH, NJ, NY, PA, RI, VT) M102
• Region 2 (AL, FL, GA, LA, MS, NC, SC, TN) M114
• Region 3 (IL, IN, KY, MI, OH, VA, WV, WI) M113
• Region 4 (AR, IA, KS, MN, MO, NE, ND, OK, SD) M109
• Region 5 (AK, AZ, CA, CO, HI, ID, MT, NM, OR, TX, UT, WA, WY) M110

5:00 PM – 6:30 PM
Preliminary Round – evaluation and interviews
Computer-Aided Design (CAD), Architecture – HS M112

5:00 PM – 6:30 PM
Preliminary Round – check-in and pick up on-site problem
Technical Design – MS M104

6:00 PM – 6:30 PM
State Delegation Meetings Various Locations

7:00 PM – 7:30 PM
All entries MUST be picked up
Fashion Design and Technology – HS M111

10:00 PM
CURFEW
# Program of Activities

## Friday, June 30

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM – 5:00 PM</td>
<td>Information Desk Open</td>
<td>Market Street Pre-function</td>
</tr>
<tr>
<td>9:00 AM – 11:00 AM</td>
<td>Recognition Assembly (General Session II)</td>
<td>North Hall D</td>
</tr>
<tr>
<td>11:00 AM – 11:10 AM</td>
<td>Semifinalists report for interview time</td>
<td>North Hall C</td>
</tr>
<tr>
<td>11:00 AM – 11:30 AM</td>
<td>Semifinals – solution submission</td>
<td>L016</td>
</tr>
<tr>
<td>11:00 AM – 11:45 AM</td>
<td>Preliminary Round – check-in, submit entry for impound, and sign up for flight time</td>
<td>South Hall B</td>
</tr>
<tr>
<td>11:00 AM – 12:00 PM</td>
<td>TEAMS Orientation Meeting</td>
<td>Omni Commonwealth 3</td>
</tr>
<tr>
<td>11:00 AM – 12:30 PM</td>
<td>Preliminary Round – practice runs</td>
<td>M104</td>
</tr>
<tr>
<td>11:00 AM – 12:30 PM</td>
<td>Preliminary round – written test</td>
<td>Ballroom E</td>
</tr>
<tr>
<td>11:00 AM – 2:30 PM</td>
<td>Semifinals – on-site design and build</td>
<td>M103</td>
</tr>
<tr>
<td>11:00 AM – 6:00 PM</td>
<td>Preliminary Round – set-up entry, presentation/interview, and entry removal</td>
<td>M110</td>
</tr>
<tr>
<td>11:15 AM – 12:45 PM</td>
<td>Semifinalists interviews (Top 16 cars)</td>
<td>North Hall C</td>
</tr>
<tr>
<td>11:30 AM – 12:00 PM</td>
<td>Preliminary Round – check-in and orientation/set up</td>
<td>M108</td>
</tr>
<tr>
<td>11:30 AM – 1:30 PM</td>
<td>Preliminary Round – detailed outline</td>
<td>M107</td>
</tr>
<tr>
<td>11:30 AM – 2:30 PM</td>
<td>Preliminary Round – pilot’s meeting</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>12:00 PM – 1:00 PM</td>
<td>Preliminary Round – solution development</td>
<td>Boardroom B</td>
</tr>
<tr>
<td>12:00 PM – 1:00 PM</td>
<td>Special Interest Session</td>
<td>L014</td>
</tr>
</tbody>
</table>

### Additional Events

- **12:00 PM – 1:00 PM**
  - Special Interest Session
    - “How to Be Involved with the American Cancer Society (ACS)”
Program of Activities

Friday, June 30

12:00 PM – 3:00 PM
Preliminary Round – time trials
Junior Solar Sprint – MS South Hall B

12:00 PM – 6:00 PM
Preliminary Round – trim & fly, time trials
Flight Endurance – HS South Hall B

12:30 PM – 12:40 PM
Semifinalists report for interview time
Career Prep – MS Boardroom C
Semifinalist team representative report for interview time
Children’s Stories – HS L024
Video Game Design – HS L021
Webmaster – HS L029

12:30 PM – 1:30 PM
Kent Julian Leadership Training – Middle School Members
“The Heroic Leadership — It’s Not What You Think” L004

12:30 PM – 2:30 PM
Semifinals – interviews
Digital Video Production – HS M114

12:30 PM – 3:00 PM
Semifinals – interviews
Music Production – HS L022

12:30 PM – 3:30 PM
Semifinals – lesson plan presentation and interviews
Future Technology and Engineering Teacher – HS M113
Semifinals – on-site challenge
Promotional Design – HS Boardroom B

12:30 PM – 5:00 PM
Preliminary Round – on-site performance
Computer-Aided Design (CAD), Engineering – HS M112

1:00 PM – 1:10 PM
Semifinalist team representative report for debate time
Debating Technological Issues – HS M016
Semifinalists report for speech time
Extemporaneous Speech – HS M105

1:00 PM – 2:30 PM
TEAMS* – Exam – Session #1 Omni Commonwealth 5
Preliminary Round – written test
Electrical Applications – MS Ballroom E

1:00 PM – 3:00 PM
Semifinals – head-to-head double elimination bracket
Dragster – MS North Hall C
Preliminary Round – Focus Groups
Junior Solar Sprint – MS South Hall B

1:00 PM – 3:30 PM
Semifinals – interviews
Career Prep – MS Boardroom C
Video Game Design – HS L021
Webmaster – HS L029
Semifinals – presentation/interviews
Geospatial Technology – HS L013

1:00 PM – 4:00 PM
Semifinals – construction, time trials, and evaluation
Flight – MS South Hall B

1:00 PM – 5:00 PM
TSA Meet and Greet South Pre-function Upper Concourse
Prepared Speech – MS L001
Prepared Speech – MS L001-L002-L003
Software Development – HS L017-L018-L020

1:00 PM – 5:30 PM
Semifinals – on-site challenge written analysis room
Forensic Science – MS L025-L027-L028
Prepared Speech – MS L001-L002-L003
Software Development – HS L017-L018-L020
Semifinals – on-site challenge room
Forensic Science – HS M101

1:00 PM – 5:30 PM
Semifinals – on-site challenge written analysis room
Forensic Science – HS M101
Semifinals – on-site challenge room
Forensic Science – HS M102
## Program of Activities

### Friday, June 30

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 PM – 4:00 PM</td>
<td>Semifinals – holding and preparation room Debating Technological Issues – HS</td>
<td>M016</td>
</tr>
<tr>
<td></td>
<td>Semifinals – preparation room Extemporaneous Speech – HS</td>
<td>M105</td>
</tr>
<tr>
<td></td>
<td>Semifinals – debate room Debating Technological Issues – HS</td>
<td>M015</td>
</tr>
<tr>
<td></td>
<td>Semifinals – presentation room Extemporaneous Speech – HS</td>
<td>M106</td>
</tr>
<tr>
<td>2:00 PM – 3:00 PM</td>
<td>Preliminary Round – evaluation Computer-Aided Design (CAD) Foundations – MS</td>
<td>M108</td>
</tr>
<tr>
<td>2:00 PM – 5:00 PM</td>
<td>Preliminary Round – solution testing and interviews Mechanical Engineering – MS</td>
<td>M104</td>
</tr>
<tr>
<td>2:30 PM – 3:30 PM</td>
<td>Special Interest Session “Building a Winning Junior Solar Sprint (JSS) Car”</td>
<td>L014</td>
</tr>
<tr>
<td>2:30 PM – 5:00 PM</td>
<td>Preliminary Round – check-in and essay writing Essays on Technology – HS</td>
<td>M107</td>
</tr>
<tr>
<td>3:00 PM – 3:30 PM</td>
<td>Teamwork Finals, Top 10 IQ Teams VEX IQ – MS Marriott Ballroom</td>
<td></td>
</tr>
<tr>
<td>3:00 PM – 4:30 PM</td>
<td>Preliminary Round – written test Foundations of Information Technology (FIT) – MS Ballroom E</td>
<td></td>
</tr>
<tr>
<td>3:00 PM – 5:00 PM</td>
<td>Semifinals – head-to-head double elimination bracket Dragster Design – HS</td>
<td>North Hall C</td>
</tr>
<tr>
<td>3:00 PM – 6:00 PM</td>
<td>Preliminary Round – time trials Senior Solar Sprint – HS</td>
<td>South Hall B</td>
</tr>
<tr>
<td></td>
<td>Semifinals – holding room Technology Bowl – HS</td>
<td>L030</td>
</tr>
<tr>
<td></td>
<td>Semifinals – competition room Technology Bowl – HS</td>
<td>L016</td>
</tr>
<tr>
<td>3:00 PM – 6:30 PM</td>
<td>Preliminary Round – check-in, design solution, and evaluation Problem Solving – MS</td>
<td>Ballroom C</td>
</tr>
<tr>
<td>3:30 PM – 4:30 PM</td>
<td>Kent Julian Leadership Training – High School Members “Heroic Leadership — It’s Not What You Think”</td>
<td>L004</td>
</tr>
<tr>
<td>4:00 PM – 5:00 PM</td>
<td>Special Interest Session “The Committee Craze?”</td>
<td>L014</td>
</tr>
<tr>
<td>4:00 PM – 6:00 PM</td>
<td>Preliminary Round – Focus Groups Senior Solar Sprint – HS</td>
<td>South Hall B</td>
</tr>
<tr>
<td>5:00 PM – 5:10 PM</td>
<td>Semifinalist team representative report for presentation time Chapter Team – HS</td>
<td>L022</td>
</tr>
<tr>
<td></td>
<td>Chapter Team – MS</td>
<td>L021</td>
</tr>
<tr>
<td>5:00 PM – 5:30 PM</td>
<td>All entries MUST be picked up Geospatial Technology – HS</td>
<td>L013</td>
</tr>
<tr>
<td>5:00 PM – 6:30 PM</td>
<td>Preliminary Round – evaluation and interviews Computer-Aided Design (CAD), Engineering – HS</td>
<td>M112</td>
</tr>
<tr>
<td>5:30 PM – 6:00 PM</td>
<td>All entries MUST be picked up Dragster – MS Dragster Design – HS</td>
<td>North Hall C North Hall C</td>
</tr>
<tr>
<td>6:00 PM – 6:30 PM</td>
<td>All entries MUST be picked up Flight – MS</td>
<td>South Hall B</td>
</tr>
<tr>
<td></td>
<td>Preliminary Round – submit solution Technical Design – MS</td>
<td>L029</td>
</tr>
<tr>
<td>6:00 PM – 9:30 PM</td>
<td>State Delegation Meetings Various Locations</td>
<td></td>
</tr>
<tr>
<td>10:00 PM</td>
<td>CURFEW</td>
<td></td>
</tr>
</tbody>
</table>
Program of Activities

Saturday, July 1

7:00 AM – 7:30 AM
Voting Delegate Seating | North Hall D
Preliminary Round – submit entry by 36 hour deadline
On Demand Video – HS

8:00 AM – 10:00 AM
TEAMS* – Design/Build – Session #1 | Omni Commonwealth 5

8:00 AM – 5:00 PM
Information Desk Open | Market Street Pre-function

9:00 AM – 11:00 AM
Annual Business Meeting (General Session III) | North Hall D

11:00 AM – 11:10 AM
Semifinalists report for interview time

Transportation Modeling – HS | South Hall A

11:00 AM – 1:00 PM
TEAMS* – Design/Build – Session #2 | Omni Commonwealth 5

11:30 AM – 12:30 PM
Advisor Update Meeting | Ballroom D

11:30 AM – 1:00 PM
Semifinals – interviews
Junior Solar Sprint – MS | South Hall B
Senior Solar Sprint – HS | South Hall B

11:30 AM – 1:30 PM
Semifinals – essays
Essays on Technology – MS | M102

11:30 AM – 2:00 PM
Semifinals – on-site problem
Data Science and Analytics – HS | M115

11:30 AM – 1:30 PM
Semifinals – demonstration/sales pitch
Manufacturing Prototype – HS | South Hall A

11:30 AM – 2:00 PM
Semifinals – demonstration/interviews
Board Game Design – HS | South Hall A

11:30 AM – 2:30 PM
Semifinals – demonstration/interviews
Transportation Modeling – HS | South Hall A

11:30 AM – 3:00 PM
Semifinals – on-site challenge
Digital Photography – MS | M112

11:30 AM – 3:00 PM
Judging, Skills Matches
STOPPING TIME IS 3:00 PM
VEX VRC – HS | Marriott Ballroom
## Program of Activities

### Saturday, July 1

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 PM – 12:10 PM</td>
<td>Semifinalists report for speech time</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Prepared Speech – MS</td>
<td>L001</td>
</tr>
<tr>
<td></td>
<td>Semifinalist team representative report for on-site challenge time</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Data Science and Analytics – MS</td>
<td>L002</td>
</tr>
<tr>
<td></td>
<td>Semifinalist team representative report for presentation time</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Challenging Technology Issues – MS</td>
<td>L027</td>
</tr>
<tr>
<td></td>
<td>Children's Stories – MS</td>
<td>M110</td>
</tr>
<tr>
<td></td>
<td>Cybersecurity – MS</td>
<td>M114</td>
</tr>
<tr>
<td></td>
<td>Forensic Technology – MS</td>
<td>L021</td>
</tr>
<tr>
<td></td>
<td>Leadership Strategies – MS</td>
<td>L024</td>
</tr>
<tr>
<td></td>
<td>Semifinalist team representative report for interview time</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Video Game Design – MS</td>
<td>M105</td>
</tr>
<tr>
<td></td>
<td>Virtual Reality Visualization (VR) – HS</td>
<td>M101</td>
</tr>
<tr>
<td>12:00 PM – 12:15 PM</td>
<td>Preliminary Round – Phase #2: Problem analysis</td>
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<tr>
<td></td>
<td>System Control Technology – HS</td>
<td>M108</td>
</tr>
<tr>
<td>12:00 PM – 1:00 PM</td>
<td>Special Interest Session</td>
<td></td>
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<tr>
<td></td>
<td>“LifeSmarts – A Consumer Education Program for Students”</td>
<td>L004</td>
</tr>
<tr>
<td>12:00 PM – 4:00 PM</td>
<td>Semifinals – presentation room</td>
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<tr>
<td></td>
<td>Chapter Team – HS</td>
<td>L018</td>
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<tr>
<td></td>
<td>Chapter Team – MS</td>
<td>L017</td>
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<tr>
<td></td>
<td>Semifinals – chapter minutes</td>
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<td></td>
<td>Chapter Team – HS</td>
<td>L022</td>
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<tr>
<td></td>
<td>Chapter Team – MS</td>
<td>L022</td>
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<tr>
<td></td>
<td>Semifinals – on-site programming challenge</td>
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<tr>
<td></td>
<td>Coding – MS</td>
<td>M113</td>
</tr>
<tr>
<td>12:00 PM – 4:30 PM</td>
<td>Semifinals – on-site problem and interviews</td>
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<tr>
<td></td>
<td>Electrical Applications – MS</td>
<td>L015</td>
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<tr>
<td>12:15 PM – 2:45 PM</td>
<td>Preliminary Round – Phase #3: Model development and programming</td>
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<td></td>
<td>System Control Technology – HS</td>
<td>M108</td>
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<td></td>
<td>Preliminary Round – problem solving</td>
<td></td>
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<td></td>
<td>System Control Technology – MS</td>
<td>M107</td>
</tr>
<tr>
<td>12:30 PM – 12:40 PM</td>
<td>Semifinalists report for presentation time</td>
<td></td>
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<tr>
<td></td>
<td>Prepared Presentation – HS</td>
<td>L029</td>
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<tr>
<td></td>
<td>Semifinalist team representative report for interview time</td>
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<tr>
<td></td>
<td>Drone Challenge (UAV) – HS</td>
<td>M116</td>
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<tr>
<td></td>
<td>Semifinalist team representative report for presentation/interview time</td>
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<tr>
<td></td>
<td>Fashion Design and Technology – HS</td>
<td>M109</td>
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<tr>
<td></td>
<td>Semifinalist team representative report for presentation time</td>
<td></td>
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<tr>
<td></td>
<td>Software Development – HS</td>
<td>L020</td>
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<tr>
<td>12:30 PM – 2:30 PM</td>
<td>TSA, Inc. Corporate Board Annual Meeting</td>
<td>L013</td>
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<tr>
<td>12:30 PM – 3:00 PM</td>
<td>Semifinals – preparation room</td>
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<tr>
<td></td>
<td>Challenging Technology Issues – MS</td>
<td>L027</td>
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<tr>
<td></td>
<td>Leadership Strategies – MS</td>
<td>L024</td>
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<tr>
<td></td>
<td>Semifinals – presentation room</td>
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<td></td>
<td>Challenging Technology Issues – MS</td>
<td>L028</td>
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<tr>
<td></td>
<td>Leadership Strategies – MS</td>
<td>L025</td>
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<tr>
<td></td>
<td>Semifinals – speeches</td>
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</tr>
<tr>
<td></td>
<td>Prepared Speech – MS</td>
<td>L001</td>
</tr>
<tr>
<td></td>
<td>Semifinals – interviews</td>
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<tr>
<td></td>
<td>Video Game Design – MS</td>
<td>M105</td>
</tr>
<tr>
<td></td>
<td>Semifinals – presentation/interviews</td>
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<td></td>
<td>Virtual Reality Visualization (VR) – HS</td>
<td>M101</td>
</tr>
<tr>
<td>12:30 PM – 3:30 PM</td>
<td>Semifinals – presentations</td>
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<td></td>
<td>Children's Stories – MS</td>
<td>M110</td>
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<tr>
<td></td>
<td>Cybersecurity – MS</td>
<td>M114</td>
</tr>
<tr>
<td></td>
<td>Semifinals – on-site challenge preparation room</td>
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<tr>
<td></td>
<td>Data Science and Analytics – MS</td>
<td>L002</td>
</tr>
<tr>
<td></td>
<td>Semifinals – on-site challenge presentation room</td>
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<td></td>
<td>Data Science and Analytics – MS</td>
<td>L003</td>
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<tr>
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<td>Semifinals – presentations</td>
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<tr>
<td></td>
<td>Forensic Technology – MS</td>
<td>L021</td>
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<tr>
<td>1:00 PM – 1:10 PM</td>
<td>Semifinalists team representative report for interview time</td>
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<tr>
<td></td>
<td>Website Design – MS</td>
<td>M106</td>
</tr>
<tr>
<td>1:00 PM – 1:45 PM</td>
<td>CRC/Students Forum</td>
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<td></td>
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<td>L026</td>
</tr>
</tbody>
</table>
Program of Activities

Saturday, July 1

1:00 PM – 2:00 PM
Special Interest Session
“A Model for TSA State Officer Mentoring” L014

1:00 PM – 2:30 PM
Semifinals – destructive test
Structural Design and Engineering – HS M103
Structural Engineering – MS M100

1:00 PM – 3:30 PM
Semifinals – interviews
Drone Challenge (UAV) – HS M116

Semifinals – presentations
Prepared Presentation – HS L029
Software Development – HS L020

Semifinals – presentation/interviews
Fashion Design and Technology – HS M109
Photographic Technology – HS Boardroom B

1:30 PM – 2:30 PM
Special Interest Session
“A STEM Research Program: Junior Science and Humanities Symposium (JSHS)” L004

1:30 PM – 3:30 PM
Semifinals – head-to-head races
Junior Solar Sprint – MS South Hall B

1:30 PM – 4:00 PM
Semifinals – interviews
Website Design – MS M106

1:45 PM – 2:30 PM
CRC/Advisors Forum L026

2:00 PM – 5:00 PM
Semifinals – holding room
Tech Bowl – MS L030

Semifinals – competition room
Tech Bowl – MS L016

2:30 PM – 3:30 PM
TSA, Inc. Board of Directors Meeting (new board) L019

Special Interest Session
“Keeping Members Engaged at TSA Conferences’ L014

2:30 PM – 4:30 PM
Semifinals – interviews
Digital Photography – MS M112

2:45 PM – 5:15 PM
Preliminary Round – solution judging
System Control Technology – MS M107
Preliminary Round – solution judging and interviews
System Control Technology – HS M108

3:00 PM – 3:45 PM
Special Interest Session
“Middle School Guide Overview 2024-2025” L004

3:00 PM – 4:00 PM
All entries MUST be picked up
Flight Endurance – HS South Hall B

3:15 PM – 4:30 PM
VRC Elimination Rounds
VEX VRC – HS Marriott Ballroom

3:30 PM – 5:30 PM
Semifinals – head-to-head races
Senior Solar Sprint – HS South Hall B

4:00 PM – 4:30 PM
All entries MUST be picked up
Mechanical Engineering – MS M104
Structural Design and Engineering – HS M103
Structural Engineering – MS M100

4:30 PM – 5:00 PM
All entries MUST be picked up
Architectural Design – HS South Hall A
Biotechnology – MS South Hall A
Biotechnology Design – HS South Hall A
Board Game Design – HS South Hall A
Children’s Stories – HS South Hall A
Children’s Stories – MS South Hall A
Construction Challenge – MS South Hall A
Data Science and Analytics – MS South Hall A
Engineering Design – HS South Hall A
Inventions and Innovations – MS South Hall A
Manufacturing Prototype – HS South Hall A
Mass Production – MS South Hall A
Medical Technology – MS South Hall A
Off the Grid – MS South Hall A
Transportation Modeling – HS South Hall A
# Program of Activities

**Saturday, July 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>5:30 PM – 6:00 PM</td>
<td>All entries MUST be picked up</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Junior Solar Sprint – MS</td>
<td>South Hall B</td>
</tr>
<tr>
<td></td>
<td>Senior Solar Sprint – HS</td>
<td>South Hall B</td>
</tr>
<tr>
<td></td>
<td>System Control Technology – HS</td>
<td>M108</td>
</tr>
<tr>
<td></td>
<td>System Control Technology – MS</td>
<td>M107</td>
</tr>
<tr>
<td>6:00 PM – 9:30 PM</td>
<td>State Delegation Meetings</td>
<td>Various Locations</td>
</tr>
<tr>
<td>10:00 PM</td>
<td>CURFEW</td>
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</table>

**Sunday, July 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM – 11:00 AM</td>
<td>Awards Ceremony (General Session IV)</td>
<td>North Hall D</td>
</tr>
<tr>
<td>11:00 AM – 12:00 PM</td>
<td>National TSA Officers Meeting (new officers)</td>
<td>Boardroom B</td>
</tr>
</tbody>
</table>
Spectator Events – HS/MS

All events take place in the Kentucky International Convention Center (KICC) unless otherwise noted.

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. 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.

**Thursday, June 29**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30 AM – 6:00 PM</td>
<td>Drone Challenge (UAV) – HS Preliminary Round – time trials</td>
<td>Ballroom A</td>
</tr>
<tr>
<td>12:00 PM – 7:00 PM</td>
<td>VEX IQ – MS Team Check-In, Inspection, Judging, Skills Matches</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>12:30 PM – 4:00 PM</td>
<td>Flight – MS Preliminary Round – testing</td>
<td>South Hall B</td>
</tr>
<tr>
<td>1:30 PM – 5:30 PM</td>
<td>Dragster Design – HS Preliminary Round – time trials</td>
<td>North Hall C</td>
</tr>
<tr>
<td>12:00 PM – 7:00 PM</td>
<td>VEX VRC – HS Team Check-In, Inspection, Judging, Skills Matches</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>12:30 PM – 4:00 PM</td>
<td>Flight – MS Preliminary Round – testing</td>
<td>South Hall B</td>
</tr>
</tbody>
</table>

**Friday, June 30**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 AM – 2:30 PM</td>
<td>Technology Problem Solving – HS Design/Solution</td>
<td>Ballroom C</td>
</tr>
<tr>
<td>11:30 AM – 2:30 PM</td>
<td>VEX IQ – MS Judging, Skills Matches</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>11:30 AM – 7:00 PM</td>
<td>VEX VRC – HS Judging, Skills Matches</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>12:00 PM – 3:00 PM</td>
<td>Junior Solar Sprint – MS Preliminary Round – time trials</td>
<td>South Hall B</td>
</tr>
<tr>
<td>12:00 PM – 6:00 PM</td>
<td>Flight Endurance – HS Preliminary Round – trim &amp; fly, time trials</td>
<td>South Hall B</td>
</tr>
<tr>
<td>1:00 PM – 3:00 PM</td>
<td>Dragster – MS Semifinals – head-to-head double elimination bracket</td>
<td>North Hall C</td>
</tr>
<tr>
<td>1:00 PM – 4:00 PM</td>
<td>Flight – MS Semifinals – construction, time trials, and evaluation</td>
<td>South Hall B</td>
</tr>
<tr>
<td>1:30 PM – 4:00 PM</td>
<td>Debating Technological Issues – HS Semifinals – debate room</td>
<td>M015</td>
</tr>
<tr>
<td>2:00 PM – 5:00 PM</td>
<td>Mechanical Engineering – MS Preliminary Round – solution testing and interviews</td>
<td>M104</td>
</tr>
<tr>
<td>3:00 PM – 3:30 PM</td>
<td>VEX IQ – MS Teamwork Finals, Top 10 IQ Teams</td>
<td>Marriott Ballroom</td>
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<tr>
<td>3:00 PM – 5:00 PM</td>
<td>Dragster Design – HS Semifinals – head-to-head double elimination bracket</td>
<td>North Hall C</td>
</tr>
<tr>
<td>3:00 PM – 6:00 PM</td>
<td>Senior Solar Sprint – HS Preliminary Round – time trials</td>
<td>South Hall B</td>
</tr>
<tr>
<td>3:00 PM – 6:30 PM</td>
<td>Problem Solving – MS Design Solution</td>
<td>Ballroom C</td>
</tr>
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</table>

12:00 PM – 7:00 PM

**Venue Information**

- **Ballroom A**: Lexington Center 202
- **Ballroom C**: Lexington Center 201
- **Marriott Ballroom**: Marriott Hotel Convention Center
- **North Hall C**: Lexington Center 203
- **South Hall B**: Lexington Center 200
- **Tweet Hall A**: Tweet Center 200
- **M015**: M Building 105
- **M104**: M Building 104
- **L016**: L Building 106
Spectator Events – HS/MS

**Saturday, July 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:30 AM – 3:00 PM</td>
<td>VEX VRC – HS  Judging, Skills Matches</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
<td>12:30 PM – 3:00 PM</td>
<td>Prepared Speech – MS  Semifinals – speeches</td>
<td>L001</td>
</tr>
<tr>
<td>1:00 PM – 2:30 PM</td>
<td>Structural Design and Engineering – HS  Semifinals – destructive test</td>
<td>M103</td>
</tr>
<tr>
<td></td>
<td>Structural Engineering – MS  Semifinals – destructive test</td>
<td>M100</td>
</tr>
<tr>
<td>1:00 PM – 3:30 PM</td>
<td>Prepared Presentation – HS  Semifinals – presentations</td>
<td>L029</td>
</tr>
<tr>
<td>1:30 PM – 3:30 PM</td>
<td>Junior Solar Sprint – MS  Semifinals – head-to-head races</td>
<td>South Hall B</td>
</tr>
<tr>
<td>1:30 PM – 4:00 PM</td>
<td>Extemporaneous Speech – HS  Semifinals – presentation room</td>
<td>M106</td>
</tr>
<tr>
<td>2:00 PM – 5:00 PM</td>
<td>Tech Bowl – MS  Semifinals – competition room</td>
<td>L016</td>
</tr>
<tr>
<td>3:15 PM – 4:30 PM</td>
<td>VEX VRC – HS  VRC Elimination Rounds</td>
<td>Marriott Ballroom</td>
</tr>
<tr>
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<td>Senior Solar Sprint – HS  Semifinals – head-to-head races</td>
<td>South Hall B</td>
</tr>
</tbody>
</table>
Make it **flawless**.
Make it **unique**.
Make it **simple**.
Make it **connect**.
Make it **engaging**.
Make it **powerful**.
Make it **impress**.
Make it **secure**.
Make it **creative**.
Make it **memorable**.
Make it **inspiring**.
Make it **safe**.
Make it **bold**.
Make it **brilliant**.

*Listening, adapting and crafting productions that work for every occasion.*

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An award-winning, four-diamond hotel, the Rosen Shingle Creek Resort welcomes back the Technology Student Association for the 2024 National TSA Conference. The Rosen Shingle Creek Resort features multiple outdoor pools, a championship golf course, a full-service spa, walking trails, and many other amenities. The resort is also located just minutes from many Orlando attractions including Universal Studios, SeaWorld, and Disney World.

The Rosen Shingle Creek is nestled on a 230-acre site along Shingle Creek, just 10 minutes away from the Orlando International Airport. The resort location is a short distance to a variety of Orlando’s best attractions, restaurants, shopping and entertainment venues.

The 2024 National TSA Conference is June 26th – June 30th. In between, TSA members can take advantage of leadership opportunities, participate in competitive events, network with fellow TSA members, and build memories that will last a lifetime. Start making plans now to visit Orlando, Florida for the 2024 National TSA Conference for an “Evolution of Excellence!”