



North Carolina Technology Student Association
Jerianne S. Taylor, State Advisor
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www.nctsa.org

DATE: January 29, 2020
TO: NC TSA Chapter Advisors
FROM: Mr. Jackson Meade, NC TSA State President
Dr. Jerianne S. Taylor, NC TSA State Advisor
SUBJECT: 2020 NC-TSA STATE CONFERENCE

The North Carolina Technology Student Association (NCTSA) will hold its 41st Annual State Conference March 26-28, 2020 (Thursday – Saturday) at the Sheraton Four Seasons Hotel, Greensboro, NC. The NCTSA Leadership Team and the State Technology Education staff invite and encourage all affiliated chapters to attend and participate to make this the best conference yet. The 2020 theme is “Inspire a Shared Vision”

LODGING

Each chapter is responsible for reserving their own rooms. Please make reservations directly with the Sheraton Four Seasons Hotel, Greensboro by faxing or mailing the appropriate attached form to the hotel. A special room rate of **\$160.11**, (single, double or quad) has been arranged. Schools located more than 45 miles from the conference site are expected to stay on-site. Hotel reservations must be made by **March 12, 2020** to receive the special rates.

REGISTRATION

Registration will open on February 3, 2020 and close on March 6, 2020.
To register, go to <https://www.registermychapter.com/tsa/nc/Main.asp>
Conference registration fee is \$65.00 for all participants and guests.

Everyone must complete the online registration process. **Each school attending is expected to provide at least one event coordinator and one judge.** Blue CAP Chapters are expected to two event coordinators and two judges. NCTSA encourages you to reach out to your central office CTE staff and school CTE faculty and administrators for assistance.

Registration fees are used to cover the cost of conference awards, trophies, mixer functions, and other conference expenses. Copies of all conference registration forms and fees must be postmarked by March 13, 2020.

Please make checks payable to NCTSA and mail to Jerianne S. Taylor, 292 Ridgefield Road, Boone NC 28607.

Only affiliated members may participate.
THERE WILL BE NO ON-SITE REGISTRATION.

There will be no on-site changes for individual events. Students will NOT be allowed to add, switch, change, or substitute one individual event for another. However, for team events, advisors may make substitutions as long as the student is registered for the conference.

**CHAPTER REGISTRATION FORM
NCTSA SPRING CONFERENCE
March 26-28, 2020**

Advisor's Name: _____

School/Chapter: _____

School Address: _____

Email Address: _____

Planning Period Time: _____ Cell # _____

Number of Students Registered for the Conference (Registration = \$65.00)	
Number of Chaperones Registered for the Conference (Registration = \$65.00)	
Number of Advisors Registered for the Conference (Registration = \$65.00)	
Number of Guests Registered for the Conference (Registration = \$65.00)	
Total Number Registered for the Conference (Registration = \$65.00)	

Name of person(s) willing to JUDGE an event(s)	Email Address and Cell Phone Number	Event(s) he/ she would like to judge

Name of person(s) willing to COORDINATE an event(s)	Email Address and Cell Phone Number	Event(s) he/ she would like to COORDINATE

Please do not mail your registration packet until everything is complete. **The REGISTRATION DEADLINE is March 6, 2020.** Listed below is a summarization of information that you need to enclose with your registration packet:

- REGISTRATION FEES. . . ONLY ONE CHECK PER CHAPTER
- (Make sure the individual registration fees are processed through local accounts so that the NC-TSA State Office receives one check, made payable to NC-TSA, for your total chapter participation.)
- CHAPTER REGISTRATION FORM
- OFFICER CANDIDATE FORMS (If applicable: E-mail to Shane Westhafer)
- WAYNE & KARYN CLARK SCHOLARSHIP APPLICATION (If applicable)
- NCTSA CHAPTER OF THE YEAR PORTFOLIO (If applicable)
- NCTSA NEW CHAPTER OF THE YEAR honoring DR. LAURA HUMMELL PORTFOLIO (If applicable)
- NCTSA INFLUENCE AWARD NOMINATIONS honoring DR. RICHARD PETERSON (If applicable)
- AMERICAN CANCER SOCIETY SERVICE PROJECT (If applicable)
- TSA Technology Honor Society
- WHITE STAR CHAPTER NOMINATIONS

Please bring your students Code of Conduct and Medical Liability forms with you to the conference to present at the registration desk before you can pick up your conference packets/information. Do not mail.

You will receive an e-mail confirmation message once you complete and submit your on-line registration.

It is the chapter advisor's responsibility to make sure their students are registered for the correct events.

Please make copies of all information prior to mailing the registration packet to Jerianne Taylor.

This form on the previous page must be returned with registration packet not later than March 13, 2020.

ON-LINE REGISTRATION INFORMATION

North Carolina TSA will continue to utilize the online registration program for our State Conference. ALL REGISTRATION MUST BE COMPLETED ONLINE! The URL for completing your Chapter Registration is: www.registemychapter.com/tsa/nc

The conference registration period begins **February 3 – March 6, 2020** please register your chapter online at this time. During this open registration period you may add, delete and edit your registration input. After March 6, you will not be able to make any changes, additions or deletions. As you complete your registration, an invoice will be presented to you and available for print and submission to your bookkeeper for processing. Payments for conference registrations are due postmarked date by March 13, 2020. Please make one check payable to NCTSA. Mail all conference materials and your payment to: Jerianne S. Taylor, 292 Ridgefield Road, Boone, NC 28607.

To log into the online registration program, go to the website indicated below and enter your unique user name and password.

Website for on-line registration: www.registemychapter.com/tsa/nc

User Name {Advisor's last name and first initial – no space} Password {Advisor's first name}

If you have any questions or experience difficulties at any time during this process, please contact Jerianne Taylor, 336-692-4794 or jerianne.taylor@dpi.nc.gov. If you sponsor two or more chapters you will need to contact Jerianne immediately for the correct password and username for each chapter, they will be different.

TSA Online Conference Registration Instructions

In your web browser, go to <http://www.registemychapter.com/TSA/NC>.

If this is your first time to the site, click the Register link. You will be asked to log in. Log in using the user name and password that your State Advisor gave to you.

The first time in, you will be asked to verify your school information. Double check all the fields, and press the Submit button at the bottom to save any changes. Your name will automatically be added to the list as an Advisor.

Click the Add New Name link to add a new name to the list. Provide the participant's last name, first name, and select their status from the drop down list. Be sure to check all contests that this individual will participate in. Remember, you will need to select two voting delegates (or the number allowed for your chapter - 2 per ten members affiliated, maximum of 12 delegates) so be sure to include those as you enter names.

To enter Team events, be sure to select the correct team number. Most team events only allow you to enter one team. However, some events allow you to enter more than one team. In such cases, separate team #'s should be designated for each team.

Continue adding names until you have entered all of your participants. As you add participants, if you attempt to enter more participants in an event than are allowed, you will be informed, and not allowed to exceed the event maximum. At any point, you may press the View Registration link to get an idea of your total invoice amount, and a better understanding of who is registered for which events.

When you are finished, press the Finished Registering link at the bottom. At this point, you may have several red messages at the top of the screen. Please read these carefully. Your registration will not be complete until these problems have been resolved. For instance, you may be informed that you must have 2 voting delegates. To correct this problem, click the Back To Registration link at the bottom, select the student(s) you want to be voting delegates and click the Edit link beside each student. Change the Status field to Voting Delegate and press Submit to save. When you're finished making these changes, press the Finished Registering link again.

If you get a message that states that you have not met the minimum requirements for an event, then you must click the Back to Registration link, and either add students to those contests that are short, or remove students from those contests. When you're finished making those changes, press the Finished Registering link again.

When you have corrected any problems that may have appeared, from the Finished Registering screen, first, be sure to Print a copy of this invoice to send in with your payment. Next, press the Confirm link at the bottom to confirm that the invoice is correct. A copy of the e-mail will be sent to you, and to the State advisor.

If you need to edit your registration, you may come back to this location and make changes up until the close date, March 6, 2020.

Once you are finished with your registration, be sure to either click the Log Out link to make sure that the connection is securely closed, or exit your browser. This will ensure that no one can get in and make changes to your registration.

REMINDERS AND OTHER INFORMATION

Voting Delegates

Each chapter is entitled to two (2)-voting delegates per 10 chapter members. CAP affiliates have a maximum of twelve (12) delegates. Advisors MUST designate on the registration forms those students who will be acting as delegates.

NC-TSA Officer Candidates

Please encourage your students to run for a NC-TSA State office. This is an excellent opportunity for you and your students to participate in activities that are enjoyable, educational, and important to our association. The state officers receive additional leadership training and represent NC-TSA at special events. **No more than two offices can be occupied by one school.** Candidates for TSA State Office are expected to wear official TSA dress as described in the Competitive Events Guides. Ties, patches, and other TSA attire can be purchased through the TSA Store at www.tsaweb.org. **Officer Information Packet is available on the NCTSA website.** If you have a student that is interested, please have them contact Shane Westhafer via email at officerAdvisor@nctsa.org as soon as possible.

Awards and Recognition Program

Advisors are reminded to encourage students to apply for TSA Technology Honor Society membership. Each applicant is required to submit \$5.00 when applying for an Achievement Award or Honor Society membership. Upon receipt, NCTSA will send the required \$5.00 fee and application to National TSA. Honor Society members will be recognized at both the state and national conferences.

Wayne and Karyn Clark Technology Scholarship

NCTSA offers eligible seniors attending a North Carolina public or private high school, who intend to enter a North Carolina state supported university to prepare to teach Technology Education upon graduation or seniors who are entering a technology related field may apply for the \$500.00 Wayne and Karyn Clark Scholarship. See attached application.

Competitive Events

National rules and criteria will apply to the NC-TSA conference. Middle School competition will be governed by the 2020 - 2021 Competitive Events Guide; High School the 2019 – 2020 Competitive Events guide.

Ignorance of the rules WILL NOT be accepted as an excuse for not applying the rules and criteria as defined within the TSA Curricular Resource Guides.

To avoid confusions and/or unpleasantness, please make every effort to understand the requirements of each event before conference and ensure that each student knows what is expected of him or her.

Check the TSA National web page for additional information. <http://tsaweb.org/Competitions>

Contact the Events Coordinators listed on the web page for clarification of rules with questions or concerns. <http://tsaweb.org/Competition-Regulations-Committee>.

LEAP is required for all competitions except VEX VRC, VEX IQ and NCTSA only events.

THE FOLLOWING EVENTS NEED TO BE UPLOADED

ON OR BEFORE THE END OF THE DAY ON MARCH 25, 2020:

Middle School

Career Prep

Community Service Video

Digital Photography

Promotional Marketing

STEM animation

Website Design

High School

3D Animation

Architectural Design

Webmaster

LINKS WILL BE SENT OUT ONCE REGISTRATION CLOSES.

TSA Official Dress

During general sessions at the state conference, student members must wear official TSA attire: competition TSA attire or general session TSA attire.

Adults must dress appropriately.

No flip flops, halter tops, tank tops or shorts are permitted for anyone at the general sessions. This is in accordance with the TSA National rules and guidelines found at: <http://tsaweb.org/Dress-Code>

NCTSA WRISTBANDS SHOULD BE WORN AT ALL TIMES.



The poster features the TSA logo (Technology Student Association) in the top left corner. The title "OFFICIAL CONFERENCE ATTIRE GUIDELINES" is prominently displayed in the top right. The content is organized into three sections: "COMPETITION ATTIRE", "GENERAL SESSION ATTIRE", and "CASUAL ATTIRE". Each section includes a list of dress code requirements and a photograph of students modeling the attire. The "COMPETITION ATTIRE" section lists requirements for shirts, pants, socks, shoes, and sandals, and includes a note about blazers and ties for middle school or high school level Chapter Teams. The "GENERAL SESSION ATTIRE" section lists requirements for shirts, dress skirts or pants, socks, and shoes. The "CASUAL ATTIRE" section lists requirements for t-shirts, shorts, or jeans. A footer note states that registrants must wear conference identification badges at all times.

TSA
TECHNOLOGY STUDENT ASSOCIATION

OFFICIAL CONFERENCE ATTIRE GUIDELINES

COMPETITION ATTIRE

- Shirt or blouse: official TSA shirt (royal blue, tie optional)
- Pants or skirt: light gray
- Socks: black or dark blue (males only)
- Shoes: black dress shoes (unacceptable: athletic shoes, army boots, combat, or work boots)
- Sandals: females only may wear black open-toe shoes or sandals

Required for middle school or high school level Chapter Team only, but may be worn for other competitions if preferred by contestant:

- Blazer: navy blue with official TSA patch
- Tie: scarlet red imprinted with official TSA logo (males only)

GENERAL SESSION ATTIRE

- Shirt or blouse: button-up shirt with a turned down collar or a polo/golf shirt; however, the official TSA shirt (royal blue) is preferred (tie optional)
- Dress skirt or pants: (unacceptable: jeans, baggy pants, exterior pocket pants, shorts)
- Socks: black or dark blue (males only)
- Shoes: dress shoes or dress boots (unacceptable: athletic shoes, combat, or work boots); females only may wear open-toe shoes or sandals

CASUAL ATTIRE

- Same as general session attire, OR appropriate t-shirts, shorts, or jeans.

Registrants must wear conference identification badges at all times.

VEX ROBOTICS Competition: TEAMS must be registered with VEX and TSA for the current school year 2019-20 in order to compete. Teams are required to wear TSA Competition Attire. NCTSA will host the TSA VEX Robotics Competition (VRC) — High School/Middle School and VEX IQ – Middle School Information about the competition is located at: <http://tsaweb.org/Vex-Robotics-Competition>

ADVISORS: Please call Jerianne Taylor (336-692-4794) if you have questions or concerns about the dress codes. NCTSA will work with new chapters to secure appropriate attire for the state conference. In order to prepare our students for the national conference and to be professionals, we need to adhere to the required dress code.

SPECIFIC EVENT THEMES 2020

Detailed information pertaining to the events can be found on the TSA webpage:

www.tsaweb.org.

<http://tsaweb.org/Themes-and-Problems>

<http://tsaweb.org/Updates-and-Clarification>

<http://tsaweb.org/competition-forms>

If you need additional information please call Jerianne Taylor (336-692-4794).

There will be a Mandatory Advisor's Meeting on THURSDAY at 3:00 pm in Auditorium IV.

The Advisor's Reception will be held on Friday at 7:00 pm in Guilford C.

STUDENT CODE OF CONDUCT

Student Conduct Practices and Procedures

Print Student's Name: _____

Print Student's School: _____

1. There shall be no defacing of property. Any damages to the property or furnishings in the hotel rooms or buildings must be paid for by the individual responsible.
2. Students shall keep their advisor and chaperone informed of their activities and whereabouts AT ALL TIMES.
3. Students should be prompt and prepared for all activities.
4. Students should be financially prepared for all responsibilities.
5. Students not staying at the Sheraton Four Seasons shall be off the grounds of the hotel by curfew or immediately following the last scheduled event.
6. NO ALCOHOLIC BEVERAGES OR NARCOTICS IN ANY FORM SHALL BE POSSESSED BY PARTICIPANTS AT ANY TIME, UNDER ANY CIRCUMSTANCES.
7. Out of common courtesy to the general public, the use of tobacco products will not be permitted by any student representing NC-TSA.
8. No student shall leave the hotel (except for authorized events) unless permission has been received from their chapter advisor.
9. Students are required to attend all general sessions and activities assigned, including workshops, competitive events, committee meetings, etc..., for which they are registered unless engaged in some specific assignment taking place at the same time.
10. Identification nametags shall be worn at all times during the conference.
11. Chapter advisors and chaperons will be accountable for students' conduct.
12. Students violating or ignoring any of the conduct rules will subject their entire delegation to being unseated and their officer candidates and competitive events' participants being disqualified. Individual students may be sent home immediately at their own expense. CURFEW WILL BE ENFORCED! **(Curfew means students must be in assigned rooms during the designated time.)**
13. Casual wear will be accepted during specific social functions as designated.

"I have read and fully understand the NC-TSA State Conference Code of Conduct and agree to comply with these guidelines."

Student's Signature: _____ Date _____

"Approval for the student named above to attend the 40th NCTSA State Conference, at the Sheraton Four Seasons, Greensboro, North Carolina is hereby granted."

Parent or Guardian's Signature: _____ Date _____

This form must be returned with registration ...one form per student participant.

~ **NAME TAGS AND WRISTBANDS MUST BE WORN AT ALL TIMES DURING CONFERENCE!**

~ **THERE WILL BE A FIVE-DOLLAR {\$5.00} REPLACEMENT FEE FOR EITHER NAME TAGS OR WRISTBANDS!**

North Carolina Technology Student Association

Personal Liability and Medical Release Form

Name of Participant: _____
Please Print

Name of Chapter: _____

NOTE: STUDENT AND PARENT(S) MUST SIGN THIS FORM

Having read and completely understood the "Student Code of Conduct" for the North Carolina Technology Student Association, Inc., I do hereby agree to follow the conduct described. I fully understand that this is an educational activity and will, to the best of my ability, apply myself for the purpose of learning, and at all times uphold the fine qualities of a person representing the North Carolina Technology Student Association, Inc.

Participant _____ Date _____
Signature

AND

I hereby agree to release the North Carolina Technology Student Association, Inc., its representatives, agents, servants, and employees from liability for any injury to above named person, resulting from any cause whatsoever occurring to above named person at any time while attending the annual North Carolina Technology Student Association State Conference, including travel to and from the conference, excepting only such injury or damage resulting from willful acts of such representatives, agents, servants and employees.

AND

I do voluntarily authorize NCTSA State Conference supervisors, assistants and/or designee to administer and/or obtain routine or emergency diagnostic procedures and/or routine or emergency medical treatment for the above named person as deemed necessary in medical judgment.

I agree to indemnify and hold harmless the NCTSA State Conference coordinators, the North Carolina-Technology Student Association, Inc., and said medical service coordinator and/or assistants and designees from any and all claims, demands, actions, rights of action, on account of said procedures and/or treatment rendered in good faith and according to accepted medical standards.

Parent or Guardian _____ Date _____
Signature

Home Phone #:(Area Code) _____ - _____ - _____

Work Phone #:(Area Code) _____ - _____ - _____

Cell Phone #:(Area Code) _____ - _____ - _____

Health Care Provider _____ Policy # _____

I DO NOT give NCTSA the right to publish a photograph of my child for publicity purposes.

I DO NOT give NCTSA the right to collect self-reported data for educational purposes from my child.



Chapter of the Year Award 2020

The NC TSA Chapter of the Year Award is one of the highest awards recognized by the association.

It consists of two parts:

- a portfolio submitted at the state conference during check-in
- the number of 1st, 2nd and 3rd place finishes at the State Conference.

The TSA Chapter of the Year Awards will also be split into two divisions: small chapters and large chapters, based on State Conference registration. There will be a Middle School and High School chapter recognized in each division. A large chapter is defined as having at least 25 members registered at the State Conference and a small chapter has less than 25 members registered.

The Chapter of the Year will be calculated 50% on the Chapter Portfolio score and 50% based on number of 1st, 2nd and 3rd place finishes at State Conference. The Chapter Portfolio has a maximum score of 50 points with maximum of 10 points awarded for each category:

1. Chapter involvement with the American Cancer Society (Make checks payable to NCTSA – ACS or provide proof of submission of funds to ACS) – Up to 10 points
2. Leadership development activities for students – Up to 10 points
3. Chapter engagement activities: chapter teambuilding, fun activities – Up to 10 points
4. Chapter service activities for their school and community – Up to 10 points
5. Layout and Presentation of the Portfolio – Up to 10 points

Chapters are to submit their Chapter Portfolio at the Conference Headquarters at the State Conference on March 26, 2020 on or before 7:00 PM.

Please contact Jerianne Taylor with any questions.



American Cancer Society Service Project

Dear NCTSA Advisors:

As you may know, TSA's National Service Project is to raise funds for the American Cancer Society, a nationwide health organization dedicated to eliminating cancer (for more information about the ACS, visit www.cancer.org). To contribute to this effort, for the past few years, the NCTSA officer team has organized a fundraiser at the State Conference. Last year, NCTSA raised over \$15,000 for the American Cancer Society.

This year, in addition to the officer fundraising efforts, we are encouraging every chapter to hold their own fundraiser before the state conference. This fundraiser can be in any form, such as a bake sale, a raffle, or a contest—be creative with your fundraising ideas! Take photos and/or videos of your fundraising efforts, submit them to me March 23rd. They will be shown during the state conference. Please turn in all money raised at the conference. Checks should be made to NCTSA ACS. The chapter who raises the most money for ACS by March 23, 2020 will receive special recognition at the state conference.

If you have any questions or wish to send in pictures/videos, please contact Dr. Taylor at Jerianne.taylor@dpi.nc.gov. Thank you in advance for your chapter's hard work in supporting the American Cancer Society.

Sincerely,

Jackson Meade

Mr. Jackson Meade, NCTSA President



THE OFFICIAL SPONSOR OF BIRTHDAYS.®

**Wayne and Karyn Clark
NC TSA Technology Scholarship Application**

One \$500.00 Scholarship Awarded Annually at the NC TSA State Conference

Name: _____ Age: _____ Date: _____

Home Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Email: _____

Technology Education Teacher: _____

School Name: _____

School Address: _____

City: _____ State: _____ Zip: _____

School Phone: _____

Date of Expected Graduation: _____

University that you plan to attend: _____

Have you already applied? _____

Date of Application: _____

Have you been accepted? _____

Attachments Required:

- High School Transcripts
- 2 Letter of Recommendation
 - 1 from NC Technology Teacher or NC TSA Advisor
 - 1 from a community person who knows you well.
- A One Page Essay on one of the following –
 - Why I want to teach Technology, Engineering and Design Education?
 - Why I want to work in a technology related field?
- A Statement of Need –
 - A brief statement from your parents that describes their financial status. It may include a copy of the past year's federal income tax form.

Application Deadline: **March 20, 2020**. Please send to required documents to Jerianne Taylor at the following address:

Jerianne Taylor
292 Ridgefield Rd.
Boone, NC 28607

Email Applications will also be accepted. Please email the required attachments to Jerianne.Taylor@dpi.nc.gov. Be sure to include Wayne and Karen Clark Scholarship in the Subject Heading.



NCTSA New Chapter of the Year Award Honoring Dr. Laura Hummell

The NCTSA New Chapter of the Year Award was created in 2019 to honor Dr. Laura Hummell. Laura was killed tragically in a hit and run accident in late 2018. Prior to returning to her home state, she was a Technology and Engineering Teacher in North Carolina at Manteo Middle School. She also served on the NCTSA Board of Directors and as the Northeast Region NCTSA Competitive Events Coordinator for many years. She was actively involved in NCTSA and TSA at the national level. She advocated for new chapters and worked to mentor several TSA advisors.

The NCTSA New Chapter of the Year Award will recognize NEW Red or White CAP Chapter and one NEW Blue CAP chapter each year.

Chapters will be recognized at the State Conference. Chapters are to submit their Chapter Portfolio at the Conference Headquarters at the State Conference on March 26, 2020 on or before 7:00 PM.

To be eligible for the award, the chapter must meet the following requirements:

- Be in their first three years of affiliation
- Participate in the regional and/or state conference.
- Complete one fundraiser or service project during the year
- Have elected officers and an advisor
- Complete the nomination form below.

School Name:

School Address:

Advisor's Name:

Advisor's Email:

Advisor's Cell Phone Number:

Name of Officers:

Answer the following questions:

1. Describe one fundraiser or service project that you completed during the school year and how it helped your chapter.
2. Briefly describe what you would like to see your chapter do in the next three years.

Evaluation:

Completed form: up to 10 points

Response to Questions: up to 20 for each question

Participation in Regionals: 10 points

Participation in State Conference: 10 points

Number of 1st, 2nd or 3rd place finishes at Regionals: up to 15 points

Number of 1st, 2nd or 3rd place finishes at State Conference: up to 15 points



NCTSA Influence Award Honoring Dr. Richard E. Peterson

*My wish, for you, is that this life becomes all that you want it to,
Your dreams stay big, your worries stay small,
You never need to carry more than you can hold,
And while you're out there getting where you're getting to,
I hope you know somebody loves you, and wants the same things too,
Yeah, this, is my wish.
Rascal Flatts*

The NCTSA Influence Award was created in 2019 in honor of Dr. Richard E. “Dick” Peterson. Dr. Peterson was an Associate Professor in the Department of Science, Technology, Engineering and Mathematics Education at North Carolina State University. He was an avid supporter of the arts, STEM education and teacher education across the state and nation. He is remembered for his ability to tell stories that capture your attention and many times convey a hidden message. The NCTSA Influence Award provides North Carolina TSA members and alumni the opportunity to recognize former and/or present North Carolina TSA Advisors that impacted their career choice and/or perspective on life and education.

Advisors will be recognized at the State Conference.

To nominate a North Carolina TSA Advisor, please complete the following and submit it Jerianne Taylor (Jerianne.taylor@dpi.nc.gov) under the subject heading: NCTSA Influence Award on or before **March 6, 2020**.

- Name of the TSA Advisor being nominated:
- Email address of the TSA Advisor being nominated:
- A One Page Typed Essay on the following:
 - Describe how your TSA Advisor that impacted their career choice and/or perspective on life and education.
- Name of the TSA member/alumni nominating the TSA Advisor
- Email address for the TSA member/alumni nominating the TSA Advisor
- Cell phone number the TSA member/alumni nominating the TSA Advisor



Below is a summary description of the 2019 and 2020 high school level TSA Competitive Events. Detailed specifications and rules regarding each event can be found in the *TSA High School Competitive Events Guide for the 2019 and 2020 National TSA Conference*.

3D Animation Participants (four [4] teams of two [2] to six [6] members per chapter) demonstrate their knowledge of 3D animation technology and design skills to creatively solve the challenge posted on [Themes and Problems](#).

Animatronics Participants (four [4] teams per chapter) demonstrate knowledge of mechanical and control systems by designing, fabricating, and controlling an animatronics device that will communicate, entertain, inform, demonstrate and/or illustrate a topic, idea, subject, or concept. Sound, lights, and a surrounding environment must accompany the device.

Architectural Design Participants (four [4] teams, or two [2] individuals, per chapter) develop a set of architectural plans and related materials for an annual architectural design challenge and construct a physical, as well as a computer-generated model, to accurately depict their design.

Biotechnology Design Participants (four [4] teams per chapter, two to six [2-6] members per team) select a contemporary biotechnology problem (that relates to the [current year's published topic](#)) and demonstrate understanding of it through documented research, the development of a solution, a display (including an optional model or prototype), and an effective multimedia presentation.

Board Game Design Participants (four [4] teams per chapter) develop, build, and package a board game that focuses on the subject of their choice. The game should be interesting, exciting, visually appealing, and intellectually challenging. Each team will have to design the packaging, instructions, pieces, and cards associated with creating and piloting a new board game. Semifinalists for the event will set up the game, demonstrate how the game is played, and explain the game's features.

Chapter Team Participants (two [2] team of six [6] members per chapter) take a written parliamentary procedures test in order to qualify for the semifinals, in which they complete an opening ceremony, items of business, parliamentary actions, and a closing ceremony within a specified time period.

Children's Stories Participants (four [4] teams or three [3] individuals per chapter – or a combination of teams and individuals that equals three [3] entries per chapter) create an illustrated children's story of high artistic, instructional, and social value. The narrative may be written in prose or poetry and take the form of a fable, adventure story, or other structure. The physical story book should be of high quality and designed to meet the [year's given theme](#). The story must have a science, technology, engineering, and mathematics (STEM) focus.

Coding Participants (one [1] individual, or one [1] team of two [2] members, per chapter) respond to an annual coding-related design challenge by developing a software program that will accurately address an on-site problem in a specified, limited amount of time.

Computer-Aided Design (CAD), Architecture Participants (two [2] individuals per chapter) use complex computer graphic skills, tools, and processes to develop representations of architectural subjects, such as foundation and/or floor plans, and/or elevation drawings, and/or details of architectural ornamentation or cabinetry.

Computer-Aided Design (CAD), Engineering Participants (two [2] individuals per chapter) use complex computer graphic skills, tools, and processes to develop three-dimensional representations of engineering subjects such as a machine part, tool, device, or manufactured product.

Computer Integrated Manufacturing (CIM) Participants (four [4] teams of two to six [2–6] members per chapter) design, fabricate, and use Computer Integrated Manufacturing (CIM) to create a promotional TSA product that will showcase the current conference city and/or state.

Cybersecurity Participants (two [2] teams per chapter) respond to a cybersecurity challenge by identifying a breach in computer security via "Capture the Flag" games. Participants will solve onsite challenges in a specified, limited amount of time.

Debating Technological Issues Participants (three [3] teams of two [2] members per chapter) work together to prepare for a debate against a team from another chapter. The teams will be instructed to take either the Pro or Con side of a selected subtopic.

Digital Video Production Participants (three [3] teams per chapter; an individual may participate solo in this team event) develop a public service announcement and a digital video (with sound) that focuses on [the given year's theme](#).

Dragster Design Participants (four [4] individuals per chapter; one [1] entry per individual) design, produce a working drawing for, and build a CO²-powered dragster.

Engineering Design Participants (four [4] teams of three to six [3 - 6] members per chapter) develop a solution to a National Academy of Engineering grand challenge that is posted on the national TSA website. The solution offered will be informed and designed by precise problem definition, thorough research, creativity, experimentation (when possible), and the development of documents and appropriate models (mathematical, graphical, and/or physical prototype/model). Semifinalist teams present and defend their proposed solution to a panel of judges.

Essays on Technology Participants (three [3] individuals per chapter) write a research-based essay (using two or more sources provided on-site) that makes insightful connections about a current technological topic.

Extemporaneous Speech Participants (three [3] individuals per chapter) verbally communicate their knowledge of technology or TSA subjects by giving a speech after having drawn a card on which a technology or TSA topic is written.

Fashion Design and Technology Participants (three [3] teams of two to four [2-4] members per chapter) research, design, and create a portfolio and wearable prototype that reflect [the current year's theme](#). Semifinalist teams participate in a presentation/interview in which they present their garment designs to judges.

Flight Endurance Participants (four [4] individuals per chapter; one [1] entry per individual) analyze flight principles with a rubber band-powered model aircraft.

Forensic Science Participants (two [2] team of two [2] members per chapter) take a written test of basic forensic science theory to qualify as semifinalists. Semifinalist teams will examine a mock crime scene and demonstrate their knowledge of forensic science and crime scene analysis. Students will be expected to survey the scene and use proper techniques to collect evidence from the mock crime scene. Students will then collect their data and perform a detailed written analysis of the crime scene.

Future Technology Teacher Participants (two [2] individuals per chapter) investigate technology education preparation programs in higher education and test their potential as a future technology educator.

Information Technology Fundamentals+ Certification - CompTIA

Participants (one [1] individual with a maximum of three (3) individuals per chapter) demonstrate understanding of and expertise in basic information technology concepts by taking an online exam.

Music Production Participants (three [3] teams per chapter; an individual may participate solo in this team event) produce an original musical piece that is designed to be played during the National TSA Conference opening or closing general sessions.

On Demand Video Participants (two [2] team of two to six [2-6] members per chapter) write, shoot, and edit a 60-second video onsite during the conference.

Photographic Technology Participants (three [3] individuals per chapter) demonstrate understanding of and expertise in using photographic and imaging technology processes to convey a message based on a theme. Semifinalists record images and then utilize graphic editing software to prepare a single final image as a solution to an onsite prompt.

Prepared Presentation Participants (three [3] individuals per chapter) deliver an oral presentation, using a digital slide deck, on a topic provided onsite.

Promotional Design Participants (three [3] individuals per chapter) use computerized graphic communications layout and design skills in the production of a promotional resource for TSA.

Scientific Visualization (SciVis) Participants (three [3] teams per chapter; an individual may participate solo in this team event) use either 2D or 3D computer graphics tools and design processes to communicate, inform, analyze, and/or illustrate a STEM topic, idea, subject, or concept.

Software Development Participants (three [3] teams per chapter) use knowledge of cutting-edge technologies, algorithm design, problem-solving principles, effective communication, and collaborative teamwork to design, implement, test, and document a software development project of educational or social value.

Structural Design and Engineering Participants (three [3] teams of two [2] members per chapter) work as a team to build a designated structure that is posted on the TSA website. Teams apply the principles of structural design and engineering through research, design, construction, destructive testing, and assessment to determine the design efficiency of the structure.

System Control Technology Participants (three [3] teams of three [3] members per chapter) work on site to develop a computer-controlled model-solution to a problem, typically one from an industrial setting. Teams analyze the problem, build a computer-controlled mechanical model, program the model, explain the program and mechanical features of the model-solution, and write instructions for evaluators to operate the device.

Technology Bowl Participants (one [1] team of three [3] members per chapter) demonstrate their knowledge of TSA and concepts addressed in the technology content standards by completing a written, objective test; semifinalist teams participate in question/response, head to head team competition.

Technology Problem Solving Participants (two [2] teams of two [2] members per chapter) use their skills in problem solving to develop a finite solution to a problem provided on site.

Transportation Modeling Participants (one [1] individual per chapter) research, design, and produce a scale model of a vehicle that fits the annual design problem.

Video Game Design Participants (three [3] teams per chapter) develop a game that focuses on the yearly [theme](#). The game must have high artistic, educational, and social value and be interesting, exciting, visually appealing, and intellectually challenging.

Webmaster Participants (three [3] teams of three to five [3-5] members per chapter) design, build, and launch a website that features the school's career and technology/engineering program, the TSA chapter, and the chapter's ability to research and present a given topic pertaining to technology. Semifinalists participate in an onsite interview to demonstrate the knowledge and expertise gained during the development of the website—with an emphasis on web design methods and practices, as well as their research for the annual design topic.

2019-2020 Competitive Event Themes and Problems are located at
<http://tsaweb.org/Themes-and-Problems>

Competition Updates are located at <http://tsaweb.org/Updates-and-Clarification>

Be sure to review the General Rules and Regulations are located in the TSA High School General Rules Guide for the 2019 and 2020 National TSA Conference.



Below is a summary description of the 2018 and 2019 middle school level TSA competitive events. Detailed specifications and rules regarding each event can be found in *the TSA Middle School Competitive Events Guide for the 2020 and 2021 National TSA Conferences*.

Biotechnology Participants (four [4] teams per chapter) conduct research on a contemporary biotechnology issue of their choosing, document their research, and create a display. The information gathered may be student-performed research or a re-creation or simulation of research performed by the scientific community. If appropriate, a model or prototype depicting some aspect of the issue may be included in the display. Semifinalist teams make a presentation and are interviewed about their topic.

CAD Foundations Participants (four [4] individuals per chapter) have the opportunity to demonstrate their understanding of CAD fundamentals as they create a two-dimensional (2D) graphic representation of an engineering part or object.

Career Prep Participants (four [4] individuals per chapter) conduct research on a selected technology-related career according to a theme posted on the TSA website, and use this knowledge to prepare a letter of introduction and a chronological skills resume. Semifinalists are announced onsite at the annual conference. Semifinalists participate in a mock interview.

Challenging Technology Issues Participants (four [4] teams of two [2] individuals per chapter) work together to prepare and deliver a debate-style presentation with participants explaining opposing views of a current technology issue. The current year's topics can be found on the [Themes and Problems](#) page.

Chapter Team Participants (two [2] teams of six [6] individuals per chapter) take a written parliamentary procedures test in order to qualify for the semifinals, in which they conduct an opening ceremony, items of business, parliamentary actions, and a closing ceremony within a specified time period.

Children's Stories Participants (four [4] teams per chapter; a team of one (1) is permitted) create an illustrated children's story that will incorporate educational and social values. The story may be written in a genre of their choice. Examples are fables, adventures, non-fiction, fiction, and fairy tales. The story must revolve around the theme chosen for the given year. The current year's topics can be found on the [Themes and Problems](#) page.

Coding Participants (one [1] team of two [2] individuals per chapter) will demonstrate their knowledge of computer science and coding by taking a written test. Semifinalists will further demonstrate their programming knowledge by participating in an onsite programming challenge. Details about the onsite challenge (e.g., programming language to be used and practice problems) can be found on [Themes and Problems](#).

Community Service Video Participants (four [4] teams per chapter; a team of one (1) is permitted) create and submit a video that depicts the local TSA chapter's involvement with a community service project (e.g., American Cancer Society) of their choice.

Construction Challenge Participants (four [4] teams per chapter) submit a scale model/prototype with a portfolio that documents the use of their leadership and technical skills to fulfill an identified community need related to construction. Semifinalists discuss their projects in a presentation and an interview.

Cybersecurity Foundations Participants (two [2] individuals per chapter) complete a Cybersecurity exam covering general cybersecurity vocabulary and knowledge needed to execute tasks commonly performed by all levels of cybersecurity professionals. Using digital presentation software such as PowerPoint, Prezi, or Moovly, participants prepare a presentation, addressing a specific cybersecurity issue, to a group of hypothetical corporate board members (i.e., judges).

Participants must explain the importance of cybersecurity and why it is essential that the organization invest in such measures. The problem statement will be posted on the TSA website under Competition/Themes and Problems. Semifinalists exhibit proficiency by recommending security measures to address various scenarios based on factors such as efficiency, feasibility, and ethical impacts.

Data Science and Analytics Participants (three [3] teams of two to three [2-3] individuals per state) conduct research on an annual theme or topic, collect data, and document their research in a supporting portfolio and a display. Participants implement a variety of methods to find connections between data, and gain insightful knowledge about a particular issue. Using analytics, participants assess collected data to make predictions and informed decisions. Semifinalist teams report for a timed, onsite challenge in which they must review specific data sets, provide insights, make predictions, and present their findings.

Digital Photography Participants (four [4] individuals per chapter) produce a digital portfolio addressing an annual theme posted on the [Themes and Problems](#) page. Semifinalists announced onsite at the annual conference. Semifinalists participate in a timed challenge, which includes digital photographs taken and edited onsite. Semifinalists demonstrate their knowledge of digital photography in a presentation/interview.

Dragster Participants (four [4] individuals per chapter) design and produce a race-worthy CO₂-powered dragster according to stated specifications, using only specified materials. Special design requirements will be posted on [Themes and Problems](#).

Electrical Applications Participants (two [2] teams of two [2] individuals per chapter) take a written test on basic electrical and electronic theory. Semifinalists assemble a specific circuit from a schematic diagram using their own kit, make required electrical measurements, and explain their solution during an interview.

Essays on Technology Participants (three [3] individuals per chapter) conduct research on specified subtopics of a broader technological area and, using the knowledge and resources gained through that research, write a comprehensive essay on one subtopic that is designated onsite.

Flight Participants (four [4] individuals per chapter) study the principles of flight and design in order to fabricate a glider that stays in flight for the greatest elapsed time. The glider must be designed to be launched from a catapult that is provided onsite. The design process is documented in a portfolio that is submitted for evaluation.

Forensic Technology Participants (one [1] team of two [2] individuals per chapter) take a written test of basic forensic science theory to qualify as semifinalists. Semifinalists participate in a skills demonstration onsite.

Foundations of Information Technology (FIT) Participants (two [2] individuals per chapter) complete an examination covering essential IT skills and knowledge needed to perform tasks commonly performed by all levels of IT professionals. Semifinalists exhibit proficiency and demonstrate creative problem solving by applying techniques to troubleshoot an industry-related challenge.

Inventions and Innovations Participants (three [3] teams of at least three [3] individuals per chapter; investigate and determine the need for an invention or innovation of a device, system, or process, and brainstorm ideas for a possible solution. Teams prepare an interactive display and model/prototype. Semifinalists make an oral presentation to a panel of judges (who act as venture capitalist investors) to persuade the panel to invest in their invention/innovation.

Junior Solar Sprint (JSS) Participants (two [2] team of two to four [2–4] per chapter) apply STEM concepts, creativity, teamwork, and problem-solving skills as they design, construct, and race a solar-powered model car. [Learn more about JSS](#), then [register on Cvent](#) to begin your JSS journey.

Leadership Strategies Participants (three [3] teams of three [3] individuals per state) demonstrate leadership and team skills by preparing a presentation based on a selected challenge the officers of a TSA chapter might encounter.

Mass Production Participants (three [3] teams of at least two [2] individuals) manufacture a marketable product related to the current year's theme, which can be found on [Themes and Problems](#). The team submits a documentation portfolio of the activities involved and three identical products made during the manufacturing process.

Mechanical Engineering Participants (three[3] teams of at least three [3] individuals per chapter) design and build a mechanical device to solve the problem statement for the identified theme. Teams identify and research an engineering process and construct a mechanical system that can be used to address the problem statement. Semifinalists participate in a presentation/interview.

Medical Technology Participants (three [3] teams of at least two [2] individuals per chapter) conduct research on a contemporary medical technology issue of their choosing, document their research within a display, and design a prototype depicting a medical technology solution. Semifinalists participate in a presentation.

Microcontroller Design

Participants (four [4] teams per chapter; a team of one (1) is permitted) develop a working digital device (product) with real-world applications. Through a product demonstration and documentation, the team demonstrates knowledge of microcontroller programming, simple circuitry, and product design and marketing. The project should have educational and social value, and conform to the theme for the year, which can be found on [Themes and Problems](#). Semifinalists demonstrate and promote their work in a presentation.

Off the Grid Participants (three [3] teams per chapter; a team of one (1) is permitted) conduct research on a sustainable architectural design for a home in a country of the team's choosing (other than their home country), and document their findings in a display and a model. The model can be of the home designed by the team, or of a specific aspect of their design. Semifinalist teams give a presentation and are interviewed about their design. The design brief can be found on the [Themes and Problems](#) page.

Prepared Speech Participants (three [3] individuals per chapter) deliver a speech that reflects the theme of the current year's National TSA Conference. The current year's topics can be found on the [Themes and Problems](#) page.

Problem Solving Participants (two [2] teams of two [2] individuals per chapter) use problem solving skills to develop a finite solution to a problem provided onsite.

Promotional Marketing Participants (three [3] individuals per chapter) create a portfolio of marketing tools. Semifinalists work creatively under constraints to design a solution to a problem given onsite, using their own computer/laptop work station. Semifinalist entries will be saved to the individual's event USB drive (provided by TSA) for judging. The current year's topics can be found on the [Themes and Problems](#) page.

STEM Animation Participants (three [3] teams per chapter) use computer graphics tools and design processes (i.e., animation) to communicate, inform, analyze, and/or illustrate a topic, idea, subject, or concept that focuses on one (1) or more of the following areas: science, technology, engineering, or mathematics. Sound may accompany graphic images. Participants submit the entry pre-conference by May 15th. Semifinalists are announced onsite at the annual conference. Semifinalists participate in an onsite presentation. The current year's topics can be found on the [Themes and Problems](#) page.

Structural Engineering Participants (three [3] teams of two [2] individuals per chapter) apply the principles of structural design and engineering through basic research, design, construction, and destructive testing to determine the design efficiency of a structure. The onsite semifinalist problem will be a variation of the pre-conference problem. The design brief can be found on the [Themes and Problems](#) page.

System Control Technology Participants (three [3] teams of three [3] individuals per state) use a team approach to develop a computer-controlled model solution to a given problem, typically one based on an industrial setting. Teams analyze the problem, build a computer-controlled mechanical model, program the model, explain the program and mechanical features of the model-solution, and leave instructions for judges to operate the device.

Tech Bowl Participants (one [1] team of three [3] individuals per chapter) demonstrate their knowledge of TSA and concepts addressed in the technology content standards by completing a written objective test. Semifinalist teams participate in a question/response, head-to-head competition.

Technical Design Participants (three [3] teams of two [2] individuals per chapter) demonstrate their ability to use the technical design process to solve an engineering design problem onsite and present the team's solution in a portfolio at the conference.

VEX IQ Challenge Participants (four [4] teams per chapter) collaborate on a robotics project that explores the relationship among STEM fields, culminating in a head-to-head game to test their robot's efficiency and productivity. [Learn more.](#)

Video Game Design Participants (three [3] teams of two to six [2–6] individuals per chapter) develop, build, and launch an E-rated, online game that focuses on the subject of their choice. The game should be interesting, exciting, visually appealing, and intellectually challenging. Participants submit the entry pre-conference by May 15th. Semifinalists are announced onsite at the annual conference. Semifinalist teams participate in an onsite interview to demonstrate the knowledge and expertise they gained during the development of the game.

Website Design Participants (three [3] teams of three to six [3–6] individuals per chapter) design, build, and launch a website that features the team's ability to incorporate the elements of website design, graphic layout, and proper coding techniques. Participants submit the entry pre-conference by May 15th. Semifinalists are announced onsite at the annual conference. Semifinalists participate in an onsite conference interview, with an emphasis on web design as it pertains to their solution, to demonstrate the knowledge and expertise gained during the development of the website. The design brief can be found on the [Themes and Problems](#) page.

2020-2021 Competitive Event Themes and Problems are located at
<http://tsaweb.org/Themes-and-Problems>

Competition Updates are located at <http://tsaweb.org/Updates-and-Clarification>

Be sure to review the General Rules and Regulations are located in the TSA Middle School Competitive Events Guide for the 2020 and 2021 National TSA Conferences.



Below is a summary description of the 2020 NC TSA ONLY competitive events. Detailed specifications and rules regarding each event can be found in the [NCTSA Only Competitive Events folder](#).

[NC TSA State Pin Design - Open to MS and HS participants - Submit by 1/18/2020](#)

[NC TSA State T-Shirt Design – Open to MS and HS participants -Submit by 1/18/20](#)

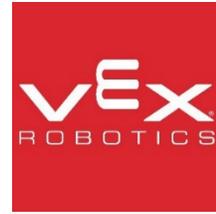
[NC TSA Engineered Dragster Design – Open to MS and HS participants](#)

[NCTSA Drone Competition – Open to MS and HS participants](#)

[NCTSA Giant Jenga Tournament – Open to MS and HS participants – PART OF THE GAME NIGHT](#)



TSA and VEX Competitions 2020



VEX VRC – Challenge: Squared Away. Limit of TWO teams. Open to Middle or High School

VEX Skills – Limit of TWO individuals. Open to Middle or High School

VEX IQ – Challenge: Tower Takeover. Limit of FOUR teams. Open to Middle School Only

Rules and Regulations:

Follow these steps to register in any VEX competition at state level:

1. [Affiliate](#) with TSA for the current school year.

2. Register with VEX as a [VEX IQ Challenge team](#) (VIQC for middle school chapters) or [VEX Robotics Competition](#) team (VRC for high school chapters).

Please note: *There is no VEX registration fee to participate in the TSA VEX National Championship at the [2020 National TSA Conference](#) (registration fees for state delegation TSA VEX events may be applicable. They can be found on the [state TSA delegation](#) website).*

TSA affiliated chapters that wish to participate in a non-TSA VEX event must register separately on [robotevents.com](#) and pay associated registration fees.

Teams that register to participate in both TSA VEX events and non-TSA VEX events will receive two (2) different registration numbers within the VEX registration system. TSA VEX registration numbers are non-transferable and can only be used for TSA related VEX events.

3. Register for the STATE conference through the state website.

4. A maximum of three (3) VRC teams and three (3) VIQC teams per state may advance to the TSA VEX National Championship event. TSA state advisors shall submit names of qualifying teams to the national TSA office and may add teams to a waitlist when registering advancing teams. A waitlist will be available on [robotevents.com](#). No more than two (2) teams per chapter are permitted.

[TSA VEX IQ \(VIQC\) Competition Event Guidelines](#)

[TSA VEX Robotics Competition \(VRC\) Event Guidelines](#)

[TSA VEX Competitive Event FAQ Sheet](#)

Important changes to note for the 2020 National TSA Conference:

The registration deadline of March 1st is no longer applicable. **Registration will close on May 27, 2020.**

The VEX registration fee associated with the TSA VEX National Championship at the 2020 National TSA Conference has been waived.

Registration fees for non-TSA VEX events and for TSA state conferences, are still applicable.

The format of the TSA VEX Robotics Competition (VRC) and the TSA VEX IQ (VIQC) challenges will mirror the traditional VEX Robotics competitive events.

Additional questions? Please contact [Janice Cabahug, TSA competitions manager](#) or [VEX Robotics](#).

For information about North Carolina TSA Tournaments, contact NCTSA VEX Coordinator: John Butler at jbutler@rock.k12.nc.us

EVENT	CHECK -IN	LOCATION	FINALS	LOCATION
Board of Director's Meeting	12:00 -3:00PM, FRIDAY	Bear Creek		
HS 3D Animation	3:30 - 4:00 PM Semifinal Problem Pick up 2:00 PM - 6:00 PM, Thursday	Guilford DE	3:00 -6:00, Friday	Riverdale
HS Animatronics	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 AM -12:00 PM, Friday	Guilford DE
HS Architectural Design	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 AM -12:00 PM, Friday	Guilford DE
HS Biotechnology Design	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 AM -12:00 PM, Friday	Guilford DE
HS Board Game Design	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 AM -12:00 PM, Friday	Guilford DE
HS Chapter Team	2:00 - 7:00, TH-Written	Auditorium II/III	9:00 AM -12:00 PM, Friday	Auditorium I
HS Children's Stories	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00AM-3:00 PM, Friday	Biltmore
HS CIM	6:00 PM -9:00 PM, Thursday	Guilford DE	1:00 -5:00 PM, Friday	Guilford DE
HS Coding	9:00 AM - 12:00 PM, Friday	Augusta B	9:00 -1:00PM, Friday	Augusta B
HS Computer Aided Design 2D, Architecture	9:00 AM - 12:00 PM, Friday	Pebblebeach	1:00 -4:00 PM, Friday	Pebblebeach
HS Computer Aided Design 3D, Engineering	9:00 AM - 12:00 PM, Friday	Pebblebeach	1:00 -4:00 PM, Friday	Pebblebeach
HS Cybersecurity	9:00 - 10:00 Thursday	Auditorium IV		
HS Debating Technological Issues Heat 1	9:00 AM - 2:00 PM, Friday	Arrowhead A/B	3:00 -5:00 PM, Friday	Arrowhead A
HS Debating Technological Issues Heat 2	9:00 AM - 2:00 PM, Friday	Arrowhead A/B	3:00 -5:00 PM, Friday	Arrowhead A
HS Digital Video Production	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 AM -12:00 PM, Friday	Blue Ash

HS Dragster Design	6:00 PM -9:00 PM, Thursday	Colony AB	9:00 AM -12:00 PM, Friday Races/ 1:00 - 5:00 Interview	Colony AB
HS Engineered Dragster	6:00 PM -9:00 PM, Thursday	Colony AB	9:00 AM -12:00 PM, Friday Races	Guilford C
HS Engineering Design	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 AM -12:00 PM, Friday	Guilford DE
HS Essays on Technology	4:00 - 7:00 PM, Thursday	Auditorium IV	9:00 AM -12:00 PM, Friday	Eastmoreland
HS Extemporaneous Speech	9:00 AM -1:00PM, Friday	Blandwood/Morehead	3:00 -6:00 PM Friday- Finalists	Blandwood/Morehead
HS Fashion Design	6:00 PM -9:00 PM, Thursday	Guilford DE	1:00 -4:00 PM Friday- Finalists	Auditorium II
HS Flight Endurance	9:00 AM - 12:00 PM, Friday	Guilford A	Interviews 4:00 -6:00 PM Friday	Guilford A
HS Forensics	2:00 - 7:00, Thursday-Written	Auditorium II/III	9:00 -1:00 Crime Scene/ 3:00 -5:00 Interview	Sandpiper
HS Future Technology Teacher	6:00 PM -9:00 PM, Thursday	Guilford DE	1:00 - 6:00 PM - Finalists Friday	Old North
HS Music Production	6:00 PM -9:00 PM, Thursday	Guilford DE	1:00 - 5:00 PM - Finalists Friday	Eastmoreland
HS On Demand Video	3:30-4:00, Thursday Pick-Up Topic	Blandwood	3:00 - 3:30 Turn In /3:00 - 6:00 Interviews with Finalists	Oyster Bay
HS Photographic Technology	6:00 PM -9:00 PM, Thursday	Guilford DE	Pick Up Topic at 9:00-9:30 /3:00 PM - 6:00 PM, Friday editing	Cedar

HS Prepared Presentation	9:00 AM -1:00 PM, Friday	Tidewater A	3:00 -6:00 PM Friday - Finalists	Tidewater A
HS Promotional Design	6:00 PM -9:00 PM, Thursday	Guilford DE	1:00 - 5:00 PM, Friday	Blue Ash
HS SciViz	6:00 PM -9:00 PM, Thursday	Guilford DE	1:00 - 4:00 PM -Friday Finalists	Tidewater B
HS Software Development	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 AM - 12:00 PM, Friday	Old North
HS Structural Engineering	3:00 -5:00, Thursday- Testing/ 9:00 -11:00 PM Build	Oak	9:00 AM - 12:00 PM Testing and Interviews Friday	Oak
HS System Control Technology	3:30 -7:00, Thursday On- Site Problem/ 9:00 -11:00, Thursday Interview Finalists	Augusta B	9:00 -11:00 PM, Friday	Augusta B
HS Technology Bowl	2:00-7:00, Thursday / 9:00 - 11:00, Thursday Interview Finalists	Auditorium II/Cedar	1:00 - 4:00 PM Friday - Finalists	Meadowbrook
HS Technology Problem Solving	9:00-11:00, Thursday	Blue Ash	1:00 -5:00 PM, Friday	Guilford DE
HS Transportation Modeling	6:00 PM -9:00 PM, Thursday	Colony AB	1:00 -5:00 PM, Friday	Colony AB
HS VEX Robotics **	1:00 -6:00, Thursday	Guilford FG	9:00 a.m.-6:00, Friday	Guilford FG
HS VEX Robotics -Skill **	2:00 -6:00, Thursday	Guilford FG		
HS Video Game Design **	6:00 PM -9:00 PM, Thursday	Guilford DE	3:00 - 6:00, Friday	Edgewood
HS Webmaster **	6:00 PM -9:00 PM, Thursday	Guilford DE	1:00 -3:00 PM, Friday	St. Andrews
MS Biotechnology Design **	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 AM - 12:00PM, Friday	Guilford DE
MS CAD Foundations **	4:00 - 6:00, Thursday	Blandwood	no finals	
MS Career Prep **	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 AM - 12:00PM, Friday	St. Andrews
MS Challenging Tech. Issues **	4:00-7:00, Thursday	Cedar /Split Room	1:00 - 4:00 PM, Friday	

MS Chapter Team **	2:00 - 7:00, THURSDAY- Written	Auditorium II/III	1:00 - 4:00 PM, Friday	Auditorium I
MS Childrens Stories **	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 - 2:00 PM, Friday	Riverdale
MS Coding	2:00 - 7:00, Thursday- Written	Auditorium II/III	9:00 AM - 12:00PM, Friday	Augusta A
MS Community Service Video	6:00 PM -9:00 PM, Thursday	Guilford DE	no finals	
MS Construction Challenge **	6:00 PM -9:00 PM, Thursday	Guilford DE	8:30 -10:00 PM, Friday	Guilford DE
MS Cybersecurity	2:00 - 7:00, Thursday-Written	Auditorium II/III	9:00-2:00 Friday	Oyster Bay
MS Data Analytics	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 - 12:00 Friday	Links
MS Digital Photography **	6:00 PM -9:00 PM, Thursday	Guilford DE	1:00 PM - 4:00 PM, Friday	Blue Ash
MS Dragster **	6:00 PM -9:00 PM, Thursday	Colony AB	9:00 AM - 12:00 PM, Friday	Colony AB
MS Electrical Applications **	2:00 - 6:00 Thursday - Written	Auditorium II/III	9:00 AM - 12:00PM, Friday	Biltmore
MS Engineered Dragster	6:00 PM -9:00 PM, Thursday	Colony AB	9:00 AM - 12:00PM, Friday	Colony AB
MS Essays on Technology			1:00 PM - 4:00 PM, Friday	Auditorium IV
MS Flight **	8:00 -11:00, Thursday	Guilford A	1:00 PM - 4:00 PM, Friday	Guilford A
MS Forensic Technology **	2:00 - 7:00, Thursday-Written	Auditorium II/III	9:00 AM - 1:00PM, Friday	Tanglewood
MS Foundations of Information Technology	2:00 - 7:00, Thursday-Written	Auditorium II/III	9:00 AM - 2:00PM, FRIDAY	AUDITORIUM III
MS Inventions & Innovations **	6:00 PM -9:00 PM, Thursday	Guilford DE	1:00 PM - 4:00 PM, Friday	Guilford DE

MS Junior Solar Sprint **	6:00 PM -9:00 PM, Thursday	Guilford DE	1:00 PM - 4:00 PM, Friday	Colony C/Outside
MS Leadership Strategies **	9:00-11:00, Thursday	Biltmore	no finals	
MS Mass Production **	6:00 PM -9:00 PM, Thursday	Guilford DE	1:00 PM - 4:00 PM, Friday	Guilford DE
MS Mechanical Engineering	6:00 PM -9:00 PM, Thursday	Colony C	1:00 PM - 4:00 PM, Friday	Colony C
MS Medical Technology Issues **	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 AM - 12:00PM, Friday	Guilford DE
MS Microcontroller Design **	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 AM - 12:00PM, Friday	Guilford DE
MS Off the Grid	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 AM - 12:00PM, Friday	Guilford DE
MS Prepared Speech			9:00 AM - 12:00PM, Friday	Tidewater B
MS Problem Solving	8:00-11:00, Thursday	Blue Ash	no finals	
MS Promotional Marketing **	6:00 PM -9:00 PM, Thursday	Guilford DE	1:00 PM - 4:00 PM, Friday	Blue Ash
MS STEM Animation **	6:00 PM -9:00 PM, Thursday	Guilford DE	1:00 PM - 4:00 PM, Friday	Augusta A
MS Structural Engineering **	3:00 -5:00, Thursday-Testing /9:00 - 11:00,Wednesday-Build	Oak	9:00 AM - 12:00 PM, Friday(Testing)	Oak
MS System Control Technology	3:30 -7:00, Thursday On-Site Problem	Augusta B	no finals	
MS Tech Bowl **	2:00 - 7:00, Thursday-Written	Auditorium II/III	9:00 AM - 12:00PM, Friday	Meadowbrook
MS Technical Design	3:30 - 4:00, Thursday Pick-Up Topic	Blandwood	3:00 -3:30, Friday Turn-In-Judging 3:30-7:00	Auditorium IV
MS VEX IQ	12:00-5:00, Thursday	Gulford FG		

MS VEX VRC	12:00-5:00, Thursday	Guilford FG	12:00 AM - 6:00 PM, Friday	Guilford FG
MS Video Game Design **	6:00 PM -9:00 PM, Thursday	Guilford DE	9:00 AM - 12:00 PM, Friday	Edgewood
MS Website Design **	6:00 PM -9:00 PM, Thursday	Guilford DE	3:30 - 6:00, Friday	St. Andrews
WRITTEN TESTS FOR COMPETITIVE EVENTS WILL BE ADMINISTERED IN THE TESTING CENTER FROM 2:00 -7:00 PM				
TESTING CENTER MIDDLE SCHOOL: CHAPTER TEAM, CODING, CYBERSECURITY, ELECTRICAL APPLICATIONS, FORENSICS, FOUNDATIONS OF INFORMATION TECHNOLOGY, TECH BOWL		2:00 -7:00 pm, THURSDAY	Auditorium II	
TESTING CENTER HIGH SCHOOL: CHAPTER TEAM, FORENSICS, TECH BOWL		2:00 -7:00 PM, THURSDAY	Auditorium III	
GENERAL SESSION		7:00 -8:30 PM , THURSDAY	GUILFORD BC	
GENERAL SESSION		8:00 -9:00 AM , FRIDAY	GUILFORD BC	
TSA BUSINESS MEETING		7:00 -8:30 PM ,FRIDAY	GUILFORD BC	
AWARDS SESSION		9:00 AM -12:00 PM , SATURDAY	GUILFORD BC	
TSA GAME NIGHT		9:00 -11:00 PM , FRIDAY	GUILFORD A	