

# **BOBA NJ TSA BOBA NJ TSA B**



Cover Art Inspired By: Valentina Gallego Roselle Park Middle School 1st Place Promotional Marketing 2023 NJ TSA Middle School Conference

# 2023-2024 New Jersey TSA Executive Committee

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AJ Boyle	Vice President	New Providence High School
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Mrs. Angela Bavaro	Colts Neck High School
Mr. Tyler Roses	Eastern Regional High School
Mr. Thomas Jennings/Mrs. Megan Herbert	Freehold Township High School
Mr. Alessandro Pizzo	Morris County School of Technology
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# State Regional Coordinator

Ms. Sherry Roses, Howell High School

# **Competitive Event Coordinator**

Mrs. Melissa Parr, The College of New Jersey

# State Advisor and Corporate Member

Mrs. Alison Goeke, Center for Excellence in STEM Education, Department of Integrative STEM Education, School of Engineering, The College of New Jersey

# **Business Administrator**

Mrs. Rebecca Turner, Center for Excellence in STEM Education, Department of Integrative STEM Education, School of Engineering, The College of New Jersey

# The 2024 NJ Supplement

to the

TSA Middle School Competitive Events Guide (for the 2024 and 2025 National TSA Conferences)

# **Foreword**

The diverse competitive events that are listed within this booklet are open to TSA chapters affiliated with National TSA, and registered through the NJ TSA State Conference registration system. The Middle School State Conference will be held on Wednesday, April 17, 2024 at The College of New Jersey.

# How this booklet works

The NJ Supplement works in conjunction with the National TSA Competitive Events Guide, which you receive access to, online, after affiliation with the National TSA Office has taken place.

This booklet presents the competitive events offered at the NJ State Conference in alphabetical order as well as the maximum number of participants, or teams, permitted to compete in each event, from each chapter.

Each New Jersey competitive event in this booklet lists ONLY the modifications NJ makes to the National guidelines, for the NJ State Conference. Substitute the NJ modification in this booklet for the number or letter on the National guidelines to ensure that your chapter meets the guidelines for the NJ Competitive Events.

# **Competitive Event Categories**

Competitive Events are organized according to the requirements for student participation in those competitions. There are three categories: On-Site, Pre-Conference and Static.

<u>"ON-SITE EVENTS"</u> require student participation on conference day. Some On-Site Events may even include components that must be completed and submitted prior to conference day. Because of the time commitment involved, **students may participate in only ONE (1) On-Site Event, and no more than SIX (6) total events.** 

<u>"PRE-CONFERENCE EVENTS"</u> require that entries be submitted prior to the conference, on a designated submission date established by NJ TSA. These entries are judged days prior to the conference and put on display the day of the conference. Some Pre-Conference events may have components or presentations that also take place the day of the conference.

<u>"STATIC EVENTS"</u> require students to submit entries on conference day, however, students are not required to remain with their entries or make presentations. Static Events usually consist of students creating a display or prototype. These entries are checked-in the morning of the conference in the designated event room listed in the conference program. Judging takes place behind closed doors. After judging is finished, all entries are put on display for the remainder of the conference day.

Please be sure to read all sections of the Supplement carefully! It is the hope of the NJ TSA Executive Committee that this guide will enable teachers, advisors, students and competitive event judges to be well-prepared for participation at the State Conference this spring.

Any questions may be directed to Mrs. Alison Goeke, NJ TSA State Advisor at (609)771-3244 or goeke2@tcnj.edu or Mrs. Melissa Parr, NJ TSA Competitive Event Coordinator, at melissaparr22@gmail.com, or Rebecca Turner, at turner25@tcnj.edu.

# I. MIDDLE SCHOOL EVENTS

The officially approved Level I New Jersey TSA Competitive Events are:

PRE-CONFERENCE EVENTS	ON-SITE EVENTS	STATIC EVENTS
Biotechnology 1 team of 3-6 members per chapter.	Challenging Technology Issues 2 teams of 2 members per chapter.	Off the Grid 1 team of up to 6 members per chapter. Teams of 1 individual are permitted.
Career Prep 2 individuals per chapter.	Chapter Team 2 teams of 6 members per chapter.	System Control Technology 2 teams of 3 members per chapter.
Children's Stories 2 teams of up to 6 members per chapter. Teams of 1 individual are permitted.	Construction Challenge 2 teams of up to 6 members per chapter.	
Coding 2 teams of 2 members per chapter.	Cybersecurity 3 individuals per chapter.	
Community Service Video 2 teams of up to 6 members per chapter. Teams of 1 individual are permitted.	Electrical Applications 2 teams of 2 members per chapter.	
Computer Aided Design CAD Foundations 3 individuals per chapter. Data Science & Analytics	Essays on Technology 2 individuals per chapter. Flight	
2 teams of 2-3 members per chapter. Digital Photography 2 individuals per chapter.	2 individuals per chapter. Forensic Technology 1 team of 2 members per chapter. Test taken PRIOR to conference	
Dragster 2 individuals per chapter. <i>Cars raced on</i> <i>conference day</i>	Inventions and Innovations 1 team of 3-6 members per chapter.	
Mass Production 1 team of 3-6 members per chapter.	Junior Solar Sprint 1 team of 2-4 members per chapter. <i>Car/display and portfolio due pre-conference.</i>	
Medical Technology 1 team of up to 6 members per chapter.	Leadership Strategies 2 teams of 3 members per chapter.	
Promotional Marketing 2 individuals per chapter.		
STEM Animation 2 teams of up to 6 members per chapter. Technical Design 1 team of 2 members per chapter.	Mechanical Engineering 1 team of 2-3 members per chapter. Microcontroller Design 2 teams of up to 6 members per chapter. Teams of 4 is dividual are members	
Due early Video Game Design 1 team of 2-6 members per chapter.	Teams of 1 individual are permitted.Prepared Speech2 individuals per chapter.	
Vlogging 2 teams per chapter New for 2024	Problem Solving 2 teams of 2 members per chapter.	
Website Design 2 teams of 3-6 members per chapter.	Structural Engineering1 team of 2 members per chapter.Tech Bowl1 team of 3 members per chapter.Test taken PRIOR to conference	

# II. PROJECT SUBMISSION

- A. <u>ON-SITE</u> events require students to submit entries, make presentations and/or participate/compete in activities at the conference.
- B. <u>STATIC</u> events require students to submit a display or prototype the day of the conference, however, there is no presentation component along with the entry.
- C. <u>PRE-CONFERENCE</u> events require projects to be submitted and judged prior to the conference
  - 1. ONLINE SUBMISSIONS: There are some Pre-Conference entries that require online submission to the NJ TSA online conference system by **11:59pm on March 27, 2024**. Check guidelines in this document to see how an item should be submitted. Online submission directions will be shared with advisors/students closer to the due date.
  - 2. IN-PERSON SUBMISSIONS: There are some Pre-Conference entries that require in-person submissions to the NJ TSA Office by **March 27, 2024**. These may be mailed or delivered in person to:

NJ TSA/Alison Goeke The College of New Jersey 2000 Pennington Rd. 103 Armstrong Hall Ewing, NJ 08628

Please email goeke2@tcnj.edu to indicate description/quantity of items being mailed/delivered and expected delivery date.

- 3. All Pre-Conference submissions are due by March 27, 2024.
- A Northern NJ drop off site for northern chapters will be available on March 26, 2024 from 3:30- 5:00pm at the parking lot of Heritage Middle School, 20 Foxcroft Drive, Livingston, NJ 07039. Look for the TSA banner on a truck in the parking lot. Email goeke2@tcnj.edu to arrange your drop off time.
- Items received after these dates may not be included in competitions.
- Mailed deliveries should include provision for obtaining proof of delivery.
- Packages should include a label or packing slip describing contents.

# III. PARTICIPATION IN COMPETITIVE EVENTS

- A. TSA members may only register and participate in **ONE (1) On-site event**, and no more than **SIX (6) total events.**
- B. Students must be registered at the state conference in order to enter and become finalists/winners in a competition. NO ON-SITE OR LATE REGISTRATIONS WILL BE ACCEPTED.
- C. No substitutions will be accepted after registration closes, or at the conference. Substitutions in team events will be accepted only from pre-registered applicants, and only under extenuating circumstances.
- D. Official Rating Forms included in the TSA Competitive Events Guide are used to evaluate all entries, unless otherwise noted in this document.
- E. No school or individual names labeled on projects except for events that require school information. Otherwise, only ID#'s are to be used. Upon registering students online for the state conference, they are automatically assigned a state conference ID# (this ID# is different from their National TSA ID#). This state conference ID number needs to be labeled on every piece of a project/entry (i.e. portfolios, models, displays, copyright/release forms, etc.).

- F. Projects/entries will be put on display after judging concludes. Students MUST pick up their entries prior to leaving the conference. All entries not accounted for will be discarded the following day if no arrangements have been made with the NJ TSA office otherwise.
- G. Audio visual equipment will be provided for competitive events that require it, unless otherwise noted in this document.
- H. NJ TSA is not responsible for compatibility issues with electronic files. Judges will not be permitted to install programs to view files.
- I. Proper procedures for citing material taken from other sources must be followed as outlined in specific competitive event guidelines. Copyright procedures, checklist and forms must be completed and submitted with entries when necessary.
- J. No electronic communication devices of any kind are permitted during competitions and will result in disqualification.
- K. No one will be permitted to leave a test event and return unless instructed by judges.
- L. In addition to the information found in the NJ Supplement, participants are responsible for knowing any updates, changes or clarifications that are made to competitive events prior to participation. This information is posted on both the National TSA and NJ TSA websites. It is crucial that students check the Competition Updates page of BOTH the NJ and National TSA websites. DIFFERENT information is posted on each site.

# IV. COMPETITIVE EVENTS ATTIRE

ALL STUDENTS ATTENDING THE CONFERENCE **MUST** wear either official TSA or business-like attire. Your cooperation with this policy will assist in providing a positive image for the organization and its members.

NOTE: All students participating at the <u>2024 National TSA Conference</u> will be required to wear the <u>Official TSA Shirt (royal blue)</u>. Students are strongly encouraged to wear the Official TSA Shirt to the 2024 NJ State Conference.

A. Official TSA Attire:

Blazer: navy blue with official TSA patch Tie: scarlet red imprinted with official TSA logo (for males only, optional for females) Shirt or blouse: Official TSA Shirt (royal blue) (A white button-down with turn down collar may be substituted for the Official TSA Shirt at the NJ State Conference) Pants or skirt: light gray Dark socks: males only (black or dark blue) Shoes: black dress shoes (unacceptable: athletic shoes, combat or work boots) Sandals: females only may wear black open toe shoes or sandals

B. Business-like attire is considered to minimally include:

collared shirt/blouse (polo shirt is acceptable) long pants (no shorts or jeans) dresses/skirts socks/hosiery appropriate footwear

Students NOT wearing official TSA or business-like attire will lose 20 points from total score of each event entered and will not be granted entry into the awards ceremony. A 20 point deduction will also result from the wearing of hats.

Anyone not in possession of their official State Conference ID Badge **will not** be admitted to the Awards Ceremony.

# **V. PROPERTY DAMAGE OR LOSS**

The College of New Jersey and NJ TSA are not responsible for damage to or loss of property brought to the conference. Students' personal belongings are their sole responsibility and they should not be left behind in any location on campus.

# VI. SCHOLARSHIPS AND AWARDS

# TSA Technology Honor Society

The TSA Technology Honor Society recognizes TSA members who excel in academics, leadership, and service to their school and community. The TSA Technology Honor Society is (1) an opportunity for student members to be recognized for their efforts and (2) designed to recognize TSA members who exemplify the high ideals of academics. Click here to view and print forms. Recipients will be recognized at the State Conference.

Please send completed forms to Rebecca Turner at turner25@tcnj.edu by 11:59pm on March 28, 2024.

## **TSA Achievement Program**

The TSA Achievement Program, Pathways to Excellence, encourages TSA student members to engage in the areas/categories of service leadership, STEM immersion, and personal/professional development. Students participate in activities in these areas and have the opportunity to earn sequentially a bronze, silver, and gold award at the local, state, and national level, respectively.

Completion of one activity in each area/category – for a total of three completed activities per level – is required for bronze, silver, and gold award eligibility.

Members submit documentation of their activities for each level via the TSA Student Member Site.

Chapter advisors are responsible for verifying the successful completion of a member's activities for each level.

For forms and more information, go to: https://tsaweb.org/competitions-programs/programs/tsa-achievement-program

Please send completed forms to Rebecca Turner at turner25@tcnj.edu by 11:59pm on March 28, 2024.

# VII. IMPORTANT DATES AND DEADLINES

## March 27, 2024 – All Other Pre-Conference Entries are Due In-January 15, 2024 NJ TSA Design Problems for the following events posted on the NJ Person at the NJ TSA Office (please also see the Northern Area TSA website: drop-off option below) Codina The following competitive events are due IN-PERSON and must be Computer-Aided Design (CAD) Foundations mailed or delivered to the NJ TSA Office. Email goeke2@tcnj.edu to System Control Technology arrange a drop off time anytime on, or prior to, March 27, 2024: Note- all other design problems/themes for 2024 can be found within this document, and on the National TSA website Biotechnology Children's Stories January 2024 **Data Science & Analytics** NJ State Conference Registration opens (date TBA) Dragster Junior Solar Sprint March 14, 2024- March 19, 2024– Technical Design Mass Production Design Problem for Technical Design will be posted at 5pm Medical Technology on March 14, 2024 on the NJ TSA website Completed entries must be uploaded to the NJ online • conference system by 5pm on March 19, 2024. March 26, 2024 – 3:30-5:00pm Northern Area Drop-Off This competition allows a limited window of time for teams to For northern NJ chapters! NJ TSA staff will be at the parking lot of • create and submit their video. Heritage Middle School, 20 Foxcroft Drive, Livingston, NJ 07039 to collect projects that are due In-Person. Look for the TSA banner on a March 21, 2024 - Online Testing Dates truck in the parking lot. Email goeke2@tcnj.edu to arrange a drop off The following competitive events require online tests prior to time. conference day. Testing procedures will be shared with advisors Forensic Tech – Thurs, March 21, 2024, 6:00pm-7:00pm March 28, 2024 • • Tech Bowl – . Thurs. March 21, 2024, 7:15pm-8:15pm NJ State Conference Registration CLOSES. • March 27, 2024 – 11:59pm- Online Submissions Due All award forms are due to the NJ TSA Office. Forms can • The following competitive events have components that are due be emailed to turner25@tcnj.edu ONLINE ONLY and must be uploaded to the NJ online conference system by 11:59 pm on March 27, 2024: April 17, 2024 Career Prep NJ TSA State Conference • Coding The College of New Jersey • • **Community Service Video** • **CAD** Foundations June 26-30. 2024 **Digital Photography** • National TSA Conference **Promotional Marketing** • Rosen Shingle Creek • **STEM Animation** Orlando, Florida • Video Game Design Theme: Evolution of Excellence • Vlogging • Website Design

# Level I – Middle School Events

# Biotechnology

# Pre-Conference Event

# 2024 Theme: Removal of pollutants from the land OR production of biodegradable, disposable plastic for the storage of food

OVERVIEW:	No semifinalists. No presentation. Entries submitted Pre-Conference.
OVERVIEW.	No semimalists. No presentation. Entries submitted Pre-Conference.
	The documentation portfolio, and display, must be received by the NJ TSA office by
	11:59pm on March 27, 2024.
ELIGIBILITY:	1 team of 3-6 members per chapter.
TIME LIMITS:	Delete AC. No semifinalists. No presentation.
ATTIDE	
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference:
	No change.
	Proliminan ( Pound)
	Preliminary Round: A. The documentation portfolio, and display, must be received by the NJ TSA office by
	11:59pm on March 27, 2024.
	B.1B.2. Judges score the display criteria, and the documentation criteria for all teams.
	No preliminary teams, no semifinalists. Winners announced at Awards Ceremony. C. No semifinalists. Winners announced at Awards Ceremony.
	C. No semininalists. Williers announced at Awards Ceremony.
	Delete Semifinal Round.
	No semifinalists. No presentation/interview. No finalists. Top three winners will be
	announced at Awards Ceremony.
REGULATIONS	Pre-Conference:
AND	D. Entries submitted Pre-Conference.
REQUIREMENTS:	Delete Consilinal Deviad
	Delete Semifinal Round. No semifinalists. No presentation/interview. No finalists. Top three winners will be
	announced at Awards Ceremony.
	<b>No school or individual names labeled on projects</b> ; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned
	a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio,
	display, model, etc.)
	Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are
	multiple teams from one chapter for the same competition, include which team they are on (e.g.
	1234-1, 1234-2, etc.).
EVALUATION:	Preliminary Round:
	No change.
	Delete Semifinal Round.

No semifinalists. No presentation/interview. No finalists. Top three winners will be announced at Awards Ceremony.
Evaluation is based on 140 points: • Display (90)
<ul> <li>Documentation Portfolio (50)</li> </ul>

# **Career Prep**

Pre-Conference Event 2024 Theme: Select a Career from one (1) of the following Career Clusters:

- Information Technologies •
- Transportation
- Distribution & Logistics
- Manufacturing
- Agriculture, Food & Natural Resources

OVERVIEW:	No semifinalists. No mock interview.
	The letter and resume are to be submitted in PDF form to NJ TSA's online conference system by 11:59pm on March 27, 2024. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 individuals per chapter.
TIME LIMITS:	<u>Preliminary Round:</u> A. Change mid-May to March 27, 2024.
	Delete Semifinal Round.
	No semifinalists. No mock interview.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference:
	D. Change mid-May to March 27, 2024.
	E. Submission information will be provided by NJ TSA.
	Preliminary Round:
	No semifinalists. Top three winners announced at Awards Ceremony.
	Delete Comifical Dound
	<u>Delete Semifinal Round.</u>
	No semifinalists. No mock interview. Top three winners announced at Awards Ceremony.
	Dro Conference:
REGULATIONS AND	Pre-Conference:
	No change. Please be sure that submissions have fictitious home address and telephone number. Correct
REQUIREMENTS:	participant names must be used.
	No school or individual names labeled on projects; only State Conference ID#'s are to be
	used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned
	a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio,
	display, model, etc.)
EVALUATION:	Preliminary Round:
EVALUATION.	
	No change.
	Delete Semifinal Round.
	No mock interview. No semifinalists. Winners announced at Awards Ceremony.
	Evaluation is based on 80 points:
	• Cover Letter (40)
	• Job-Specific Resume (40)

# **Challenging Technology Issues**

On-Site Event

2024 Topics:

- Free internet access
- Reality television
- Setting the minimum age to own a smartphone at 16
- Artificial Intelligence
- Digital Learning

No change.
2 teams of 2 members per chapter.
No change.
See Page 6 of this guide for required dress code.
Preliminary Round:
Delete E. No semifinalists. Winners are announced at the Awards Ceremony.
Delete Semifinal Dound
Delete Semifinal Round.
No semifinalists. No semifinal round. No finalists. Top three winners announced at
Awards Ceremony.
Preliminary Round:
No change.
Delete Semifinal Dound
Delete Semifinal Round.
No semifinalists. No semifinal round. No finalists. Top three winners announced at
Awards Ceremony.
No semifinal round. No semifinalists.
Evaluation is based on 150 points:
• Pro Side (70)
Con Side (70)
Participation (10)

# Chapter Team On-Site Event

OVERVIEW:	All teams take test and do arel presentation. No comificalists
OVERVIEW:	All teams take test and do oral presentation. No semifinalists.
ELIGIBILITY:	A. 2 teams of 6 members per chapter.
	C. No semifinalists. All teams take test and do oral presentation.
TIME LIMITS:	Preliminary Round:
	No change.
	Semifinal Round.
	No semifinalists. All teams take test and do oral presentation.
ATTIRE:	See Dage 6 of this guide for required dress and . There are no additional attire
	See Page 6 of this guide for required dress code. There are no additional attire
	requirements for Chapter Team at the NJ State Conference.
PROCEDURE:	Preliminary Round:
	C. No semifinalists. All teams take test and do oral presentation.
	Semifinal Round.
	AB. No semifinalists. All teams do oral presentation.
	C. 5. No finalists. Winners announced at Awards Ceremony.
REGULATIONS	Preliminary Round:
AND	C.1. No semifinal round. All teams take test and do oral presentation.
REQUIREMENTS:	C.3. Written materials are provided by NJ TSA.
	Semifinal Round.
	EF. No semifinalists. All teams do oral presentation. Winners announced at Awards
	•
	Ceremony.
	Dreliminen / Deundu
EVALUATION:	Preliminary Round:
	No change.
	Semifinal Round.
	No semifinalists. All teams do oral presentation. Winners announced at Awards
	Ceremony.
	Evaluation is based on 200 points:
	Team test (10)
	Business Meeting Demonstration (190)

# **Children's Stories**

# Pre-Conference Event

2024 Theme: Students will create a book for children in grades Pre-K - 2nd Grade. The book should focus on the importance of inclusion and teamwork.

OVERVIEW:	No change.
	The documentation portfolio and storybook, must be received by the NJ TSA Office by March 27, 2024.
ELIGIBILITY:	2 teams of up to 6 members per chapter. Teams of 1 individual are permitted.
TIME LIMITS:	Delete Semifinal Round. No semifinalists. No on-site component. No reading or interview.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference: No change. <u>Preliminary Round:</u> A. The storybook and documentation portfolio must be received by the NJ TSA Office by
	March 27, 2024. B.1B.2. Judges score the Storybook criteria, and the Documentation criteria for all teams. No preliminary contestants. No semifinalists. C. No semifinalists. Winners announced at Awards Ceremony.
	Delete Semifinal Round. No semifinalists. No on-site component. No reading or interview. No finalists. Top three winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	Pre-Conference: No change.
REQUIREMENTS:	Preliminary Round: A. The storybook and documentation portfolio must be received by the NJ TSA Office by March 27, 2024.
	<b>No school or individual names labeled on projects</b> ; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.) Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g. 1234-1, 1234-2, etc.).
EVALUATION:	Preliminary Round: No change.
	Delete Semifinal Round. No reading. No interview. No semifinalists. Winners announced at Awards Ceremony.

Evaluation is based on 210 points:
Storybook (130)
Documentation Portfolio (80)

# Coding

Pre-Conference Event The 2024 Design Problem will be posted on the NJ TSA website on January 15, 2024.

OVERVIEW:	No test. No onsite/live coding challenge. Teams create solution to the design problem on the NJ TSA website. The Design Problem will be posted on January 15, 2024.
	The solution to the design problem must be finished, submitted, and accessible via the Internet by 11:59pm on March 27, 2024. Submission procedures will be shared with advisors.
	Otherward Ornershare new shereter
ELIGIBILITY:	2 teams of 2 members per chapter.
TIME LIMITS:	Delete Preliminary Round and Semifinal Round.
	No test. No on-site challenge. No semifinalists. Teams create solution to the design problem on the NJ TSA website. Entries are submitted to the online NJ TSA conference system by 11:59pm on March 27, 2024. Submission procedures will be shared with advisors.
ATTIRE:	See Pages 6 of this guide for required dress code.
PROCEDURE:	Delete Preliminary Round and Semifinal Round. No test. No on-site challenge. No semifinalists. Teams create solution to the design problem on the NJ TSA website. Entries are submitted to the online NJ TSA conference system by 11:59pm on March 27, 2024. Submission procedures will be shared with advisors. Top three winners are announced at Awards Ceremony.
REGULATIONS AND	Delete Preliminary Round and Semifinal Round. No test. No on-site challenge. No semifinalists. Teams create solution to the design
REQUIREMENTS:	problem on the NJ TSA website. Entries are submitted to the online NJ TSA conference system by 11:59pm on March 27, 2024. Submission procedures will be shared with advisors. Top three winners are announced at Awards Ceremony.
EVALUATION:	Delete Preliminary Round and Semifinal Round.
	Evaluation criteria will be listed within the Design Problem.

# Community Service Video Pre-Conference Event

OVERVIEW:	No change.
	The video and supporting documentation must be finished, submitted, and accessible via the Internet by 11:59pm on March 27, 2024. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 teams of up to 6 members per chapter. Teams of 1 individual are permitted
	2 teams of up to 6 members per chapter. Teams of 1 individual are permitted.
TIME LIMITS:	<u>Pre-Conference:</u> A. Change mid-May to March 27, 2024. <u>Delete Semifinal Round.</u>
	No semifinalists. No interview. No finalists. Top three winners announced at Awards Ceremony.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference:         C. Entries are due by 11:59pm EST on March 27, 2024.         D. Submission information will be provided by NJ TSA. The URL of the video, and PDF of required forms, must be submitted to NJ TSA's online conference system.         Preliminary Round:         No semifinalists. No interview. Winners announced at Awards Ceremony.
	Delete Semifinal Round. No semifinalists. No interview. No finalists. Top three winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	Pre-Conference:         No change.         Delete Semifinal Round.         No semifinalists. No interview. Top three winners announced at Awards Ceremony.
	No individual names labeled on projects; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.) Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g. 1234-1, 1234-2, etc.).
EVALUATION:	Preliminary Round:         No change.         Delete Semifinal Round.         No semifinalists. No interview. Top three winners announced at Awards Ceremony.

Evaluation is based on 150 points: • Video Production (50)
Video Effectiveness (100)

# **Computer-Aided Design (CAD) Foundations**

Pre-Conference Event The 2024 Design Problem will be posted on the NJ TSA website on January 15, 2024.

OVERVIEW:	No change. The 2024 Design Problem will be posted on the NJ TSA website on January 15, 2024.
	Students create a solution to the design problem posted on NJ TSA website. The solution must be finished, submitted, and accessible online by 11:59pm on March 27, 2024. Submission procedures will be shared with advisors.
ELIGIBILITY:	3 individuals per chapter.
TIME LIMITS:	Delete AC. Students create a solution to the design problem posted on the NJ TSA website. The solution (PDF) must be finished, submitted, and accessible online by 11:59pm on March 27, 2024. Submission procedures will be shared with advisors.
ATTIRE:	See Dage 6 of this guide for required dress code
	See Page 6 of this guide for required dress code.
PROCEDURE:	Delete AI. No on site component. Students create a solution to the design problem posted on the NJ TSA website. The solution (PDF) must be finished, submitted, and accessible online by 11:59pm on March 27, 2024. Submission procedures will be shared with advisors. J. No finalists. Top three winners will be announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	Delete AF. No on site component. Students create a solution to the design problem posted on the NJ TSA website. The solution (PDF) must be finished, submitted, and accessible online by 11:59pm on March 27, 2024. Submission procedures will be shared with advisors. No finalists. Top three winners will be announced at Awards Ceremony.
	<b>No school or individual names labeled on projects</b> ; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.)
EVALUATION:	A. PDF of design solution must be submitted online. No USB submission. Submission procedures will be shared with advisors.
	Evaluation is based on 100 points: • Layout (70) • Software Utilization (30)

# Construction Challenge On-Site Event

OVERVIEW:	No semifinalists. All teams give a presentation highlighting their model/display.
ELIGIBILITY:	2 teams of 2- 6 members per chapter.
TIME LIMITS:	Preliminary Round: No change.
	Semifinal Round: A.1. All teams give a presentation of up to five (5) minutes in length. No semifinalists. Winners announced at Awards Ceremony.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference:         No change.         Preliminary Round:         B.1B.2. Judges score the Model/Prototype, Display, and documentation criteria for all teams. No preliminary contestants, no semifinalists.         C. No semifinalists. All teams give presentation.
	<u>Semifinal Round:</u> A. No semifinalists. All teams give a presentation up to five (5) minutes in length. B. All team members may participate in the presentation. D. No finalists. Top three winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	Pre-Conference:         No change.         Preliminary Round:         No change.         Semifinal Round:         A. No semifinalists. All teams give a presentation up to five (5) minutes in length. All team members may participate in the presentation.         No individual names labeled on projects; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.)         Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g. 1234-1, 1234-2, etc.).
EVALUATION:	<u>Preliminary Round:</u> No tiered judging. All teams are evaluated on their involvement in a community project, model/prototype, display, and documentation portfolio. Semifinal Round <u>:</u>

A. No semifinalists. All teams give presentation.	
Evaluation is based on 150 points:	
<ul> <li>Model/Prototype/Display (40)</li> </ul>	
Documentation Portfolio (60)	
Presentation/Interview (50)	

# Cybersecurity On-Site Event

One hour test only. No presentation.
individuals per chapter.
Delete B. No presentation. Test only.
Soo Dago 6 of this guide for required dress code
See Page 6 of this guide for required dress code.
Velete Bra Canferance
Delete Pre-Conference.
lo presentation. Test only.
Draliminary Doundu
Preliminary Round: B. No semifinalists. Test only. Winners announced at Awards Ceremony.
b. No semininalists. Test only. Withers announced at Awards Ceremony.
Delete Semifinal Round.
lo semifinalists. No presentation. Test only. Top three winners announced at Awards
Ceremony
Preliminary Round:
B. NJ TSA will determine the test format (online or via scan-type answer sheet).
5. NO TOA will determine the test format (online of via scan-type answer sheet).
Delete Semifinal Round.
lo semifinalists. No presentation. Test only. Top three winners announced at Awards
Noromony.
Preliminary Round:
lo change.
Delete Semifinal Round.
lo semifinalists. No presentation. Test only. Top three winners announced at Awards
Ceremony.
valuation is based on 50 points:
• Test (50)

# **Data Science and Analytics**

# Pre-Conference Event

2024 Topic: Predicting a specific animal's behavior from tracking GPS data or data concerning an animal's behavior.

OVERVIEW:	No semifinalists. No on-site challenge. Entries submitted Pre-Conference to the NJ TSA
-	office by March 27, 2024.
ELIGIBILITY:	2 teams of 2-3 members per chapter.
TIME LIMITS:	Delete Semifinal Round:
	No semifinalists. No on-site data analysis/synthesis challenge. Entries are submitted
	Pre-Conference.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference:
	No change.
	Preliminary Round:
	A.1A.2. Documentation portfolio and display are submitted to the NJ TSA office by
	March 27, 2024.
	B.1B.2. Judges score the display and documentation criteria for all teams. No
	preliminary contestants, no semifinalists.
	C. No semifinalists. No on-site challenge. Winners announced at Awards Ceremony.
	Delete Semifinal Round
	Delete Semifinal Round. No semifinalists. No on-site analysis/synthesis challenge. Top three winners will be
	announced at Awards Ceremony.
REGULATIONS	Preliminary Round:
AND	No change.
<b>REQUIREMENTS:</b>	
	Delete Semifinal Round.
	No semifinalists. No on-site analysis/synthesis challenge. Top three winners will be
	announced at Awards Ceremony.
	No school or individual names labeled on projects; only State Conference ID#'s are to be
	used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned
	a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.)
	Team ID#s may be used for team events. A Team ID# is the first four numbers of students'
	individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are
	multiple teams from one chapter for the same competition, include which team they are on (e.g.
	1234-1, 1234-2, etc.).
EVALUATION:	Preliminary Round:
	No tiered judging. All teams are evaluated on their display, and documentation portfolio.
	Delete Consificat Down d
	Delete Semifinal Round.
	No semifinalists. No on-site analysis/synthesis challenge. Top three winners will be
	announced at Awards Ceremony.

Evaluation is based on 140 points: • Display (80)
Documentation Portfolio (60)

# **Digital Photography**

**Pre-Conference Event** 

2024 Theme: Editorial/Commercial Photography: Students must submit a portfolio of four (4) digital photographs for a magazine spread (genre of their choice) with one being vintage in appearance.

OVERVIEW:	No semifinalists. No on-site challenge. Digital portfolio submitted online Pre- Conference.
	The digital portfolio must be finished, submitted, and accessible via the Internet by 11:59pm on March 27, 2024. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 individuals per chapter.
TIME LIMITS:	Preliminary Round: A. Change mid-May to March 27, 2024.
	Delete Semifinal Round. No semifinalists. No on-site challenge. Winners announced at Awards Ceremony.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference: C. Digital portfolio must be submitted to the NJ TSA online conference system, as a PDF by 11:59pm EST on March 27, 2024. D. Submission procedures will be provided by NJ TSA.
	Preliminary Round: A. No semifinalists. Winners announced at Awards Ceremony.
	Delete Semifinal Round. No semifinalists. No on-site challenge. Winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	Pre-Conference: D. The digital portfolio must be submitted as a PDF online by 11:59pm EST on March 27, 2024. Submission procedures will be provided by NJ TSA.
	<u>Delete Semifinal Round.</u> No semifinalists. No on-site challenge. Top three winners announced at award ceremony.
	<b>No school or individual names labeled on projects</b> ; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.)
EVALUATION:	Preliminary Round:
	No change. <u>Delete Semifinal Round.</u> No semifinalists. No on-site challenge. Top three winners announced at award ceremony
	<ul><li>Evaluation is based on 70 points:</li><li>Digital Photographic Portfolio (70)</li></ul>

# **Dragster Design**

# Pre-Conference Event For 2024, there are no special design requirements.

	No chonge
OVERVIEW:	No change.
	0 in dividuale non chantan
ELIGIBILITY:	2 individuals per chapter.
TIME LIMITS:	A. The dragster, drawing, and materials list must be received by the NJ TSA office by March 27, 2024. Delete C. No interview.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference         No change.         Preliminary Round         A.1A.3. The dragster, drawing, and materials list must be received by the NJ TSA office
	by March 27, 2024. <u>Semifinal Round</u> Delete A. No interview. E. No finalists. The 1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> place winners are announced at the Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	Preliminary Round A. Entries are submitted Pre-Conference.
	Semifinal Round Delete A-B. No interview. C.4. All CO2 cartridges are provided by NJ TSA.
	<ul> <li>The top 16 dragsters meeting specifications will be raced in the double elimination bracket at the conference.</li> <li>Cars not meeting specs WILL BE DISQUALIFIED from the competition.</li> <li>A caliper will be used for all measurements</li> <li>Place ID# on drawings and directly on dragster. It is recommended ID#'s are placed on bottom or back side of dragster with tape or label.</li> </ul>
	<b>No school or individual names labeled on projects</b> ; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.) Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 2345678, the Team ID# would be 2345. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g. 2345-1, 2345-2, etc.).
EVALUATION:	Preliminary Round: No change.

<u>Semifinal Round:</u> B. No interview.
<ul> <li>Evaluation is based on 120 points:</li> <li>Dragster Construction (60)</li> <li>Race (60)</li> </ul>

# Electrical Applications On-Site Event

OVERVIEW:	Test only. No semifinalists. No on-site problem or interview.
ELIGIBILITY:	2 teams of 2 members per chapter.
TIME LIMITS:	Preliminary Round:
	No change
	No change
	Delete Semifinal Found.
	No on-site problem or interview.
ATTIRE:	See Page 6 of this guide for required dress code.
ATTIKE.	See Fage 6 of this guide for required dress code.
PROCEDURE:	Proliminan / Pound:
PROCEDURE.	Preliminary Round: D. No semifinalists. No semifinal round. Test only.
	F. No semifinalists. No semifinal round. Test only.
	F. NO Semininalists. NO Semininal found. Test only.
	Delete Semifinal Round.
	No on-site problem or interview. Test only. Top three winners announced at Awards
	Ceremony.
REGULATIONS	Preliminary Round:
AND	B. NJ TSA will determine the test format (online or scan-type answer sheet).
REQUIREMENTS:	
REGORICEMENTO.	
	Delete Semifinal Round.
	No on-site problem or interview. Test only. Top three winners announced at Awards
	Ceremony.
EVALUATION:	Preliminary Round:
	No change.
	Delete Semifinal Round.
	No on-site problem or interview. Test only. Top three winners announced at Awards
	Ceremony.
	Evaluation is based on 50 points:
	Written test (50 points)

# **Essays on Technology**

**On-Site Event** 

2024 Topic: Technology refers to methods, systems, and devices which are the result of scientific knowledge being used for practical purposes.

Subtopics:

- The three greatest examples of technology in our lives.
- Important technology examples for learning.
- Technologies that should receive the greatest funding and testing for future development.

ELIGIBILITY:       2 individuals per chapter.         TIME LIMITS:       Preliminary Round: No change.         Semifinal Round: No semifinalists. All participants complete the essay challenge.	
TIME LIMITS:     Preliminary Round: No change.       Semifinal Round:	
No change. Semifinal Round:	
No change. Semifinal Round:	
Semifinal Round:	
	j
ATTIRE: See Page 6 of this guide for required dress code.	
PROCEDURE: Pre-Conference:	
No change.	
Preliminary Round:	
Creating a Detailed Outline	
Delete F. No semifinalists. All participants complete the essay challenge.	
Semifinal Round:	
The Essay	
AB. No semifinalists. All participants have one (1) hour to write an essay on the	
subtopic, using their detailed outline.	
C. The essay cannot exceed two (2) pages.	
E. No finalists. Top three winners announced at Awards Ceremony.	
REGULATIONS         Preliminary Round:           AND         G. No semifinalists. All participants write essay. Winners announced at Awards	
ANDG. No semifinalists. All participants write essay. Winners announced at AwardsREQUIREMENTS:Ceremony.	
REGOREMENTS. Ceremony:	
Semifinal Round:	
E. The essay may not exceed two (2) pages.	
G. Change National TSA to NJ TSA.	
EVALUATION: Preliminary Round:	
No change.	
Somifinal Pound:	
Semifinal Round: No semifinalists. All participants write essay.	
Evaluation is based on 170 points:	
Detailed Outline (80)	
• Essay (90)	

# Flight On-Site Event

OVERVIEW:	No change. Participants bring completed documentation portfolio, and glider, on
	conference day.
ELIGIBILITY:	2 individuals per chapter.
TIME LIMITS:	Preliminary Round:
	No change.
	° °
	Delete Semifinal Round.
	No semifinalists. No on-site construction of glider.
ATTIRE:	See Page 6 of this guide for required dress code.
SAFETY	E.No on-site construction of glider. Students bring pre-built glider to test.
JAFETT	
	Destinate and Descents
PROCEDURE:	Preliminary Round:
	No change.
	Delete Semifinal Round.
	No semifinalists. No on-site construction of glider.
REGULATIONS	Pre-Conference:
AND	No change.
<b>REQUIREMENTS:</b>	
	Preliminary Round:
	BC. Catapults at the NJ TSA State Conference are supplied by NJ TSA.
	Delete Semifinal Round.
	No semifinalists. No on-site construction of glider.
EVALUATION:	Preliminary and Semifinalist Round:
	No semifinalists. All participants submit documentation portfolio and test their glider.
	No on-site construction of glider. No semifinal round.
	Evaluation is based on 140 points:
	Documentation Portfolio (70)
	Flight Times (70)

# Forensic Technology On-Site Event

OVERVIEW:	Test of forensic science theory will be taken online PRIOR to the State Conference, on March 21, 2024 from 6-7pm. Test procedures will be shared with advisors. No semifinalists. All teams analyze crime scene on conference day and write an analysis. No skills demonstration/presentation.
ELIGIBILITY:	1 team of 2 members per chapter.
TIME LIMITS:	Preliminary Round:         No change. One (1) hour test of forensic science theory will be taken online PRIOR to the State Conference, on March 21, 2024 from 6-7pm. Test procedures will be shared with advisors. No semifinalists.         Delete Semifinal Round.         No semifinalists. No skills demonstration/presentation. All teams will analyze crime scene on conference day and write an analysis. Judges will determine the amount of time allowed to review the crime scene, based on the number of teams present on conference day. Teams will have 20 minutes to write their analysis. Winners announced at Awards Ceremony.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<ul> <li><u>Preliminary Round:</u> <ul> <li>A. Team members take a one (1) hour test of forensic science theory online PRIOR to the State Conference, on March 21, 2024 from 6-7pm. Team members take the test individually. Test procedures will be shared with advisors.</li> <li>Delete CD. No semifinalists. No skills demonstration/presentation.</li> </ul> </li> <li><u>Delete Semifinal Round.</u> <ul> <li>No skills demonstration/presentation. All teams will analyze crime scene on conference day and write an analysis. Judges will determine the amount of time allowed to review the crime scene, based on the number of teams present on conference day. Teams will have 20 minutes to write their analysis. No finalists. Winners announced at Awards Ceremony.</li> </ul> </li> </ul>
REGULATIONS	Droliminany Dound:
REGULATIONS AND REQUIREMENTS:	<ul> <li><u>Preliminary Round:</u></li> <li>AI. One (1) hour test of forensic science theory will be taken online PRIOR to the State Conference, on March 21, 2024 from 6-7pm. Test procedures will be shared with advisors.</li> <li>K. No semifinalists. All teams analyze crime scene on conference day and write an analysis.</li> <li><u>Delete Semifinal Round.</u></li> <li>No skills demonstration/presentation. All teams will analyze crime scene on conference</li> </ul>
	day and write an analysis. Judges will determine the amount of time allowed to review the crime scene, based on the number of teams present on conference day. Teams will have 20 minutes to write their analysis. No finalists. Winners announced at Awards Ceremony.

EVALUATION:	Preliminary Round:
	No change.
	Delete Semifinal Round.
	No skills demonstration/presentation. All teams will analyze crime scene on conference
	day and write an analysis. Judges will determine the amount of time allowed to review
	the crime scene, based on the number of teams present on conference day. Teams will
	have 20 minutes to write their analysis. No finalists. Winners announced at Awards
	Ceremony.
	Evaluation is based on 90 points:
	Online Test Score (50)
	<ul> <li>Survey/Investigation of Crime Scene (20)</li> </ul>
	Written Analysis of Crime Scene (20)

# **Inventions and Innovations**

On-Site Event

# 2024 Theme: A device that promotes school safety (e.g., security, monitoring, sensing)

OVERVIEW:	No semifinalists. All teams give "sales pitch" presentation.
ELIGIBILITY:	Preliminary round:
	1 team of 3-6 members per chapter.
TIME LIMITS:	No semifinalists. All teams give oral presentation.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-conference:
	No change.
	Preliminary Round:
	B-C. Judges evaluate the display and model/prototype for all teams. No semifinalists. All
	teams give oral presentation.
	Semifinal Round:
	BC. All teams give oral presentation. All team members are permitted to participate in
	the presentation.
	F. No finalists. Top three winners announced at Awards Ceremony.
REGULATIONS	Pre-conference:
AND	No change.
REQUIREMENTS:	Preliminary Round:
	C. No semifinalists. All teams give oral presentation.
	Semifinal Round:
	A. All team members are permitted to participate in the presentation.
	Na anti-al an individual manage labeled an anniacted anti-Otate Conference (DW) and to be
	<b>No school or individual names labeled on projects</b> ; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned
	a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio,
	display, model, etc.)
	Team ID#s may be used for team events. A Team ID# is the first four numbers of students'
	individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g.
	1234-1, 1234-2, etc.).
EVALUATION:	Preliminary Round:
	No tiered judging. The display and model/prototype are evaluated for all teams.
	Somifinal Pound:
	Semifinal Round: No semifinalists. All teams give "sales pitch" presentation.
	Evaluation is based on 170 points:
	• Static Display (60)
	Model/Prototype (50)
	Sales Pitch Presentation (60)

# Junior Solar Sprint On-Site Event (entries submitted Pre-Conference)

OVERVIEW:	No change. Documentation portfolio, shoebox, and car must be submitted Pre- Conference to the NJ TSA office by March 27, 2024. Teams race cars on conference day.
ELIGIBILITY:	1 team of 2-4 members per chapter. Delete B. Teams that compete at the 2024 NJ TSA State Conference must be part of a registered NJ TSA chapter.
TIME LIMITS:	A. Entries must be submitted to the NJ TSA office by March 27, 2024.
ATTIRE:	See Page 6 of this guide for required dress code. There are no special attire requirements for Senior Solar Sprint at the NJ TSA State Conference.
PROCEDURE:	Pre-Conference: DE. Documentation portfolio, shoebox, and car must be submitted Pre-Conference to the NJ TSA office by March 27, 2024. Teams race cars on conference day.
	<u>Preliminary Round:</u> A. Car, shoebox, and documentation portfolio must be submitted Pre-Conference to the NJ TSA office by March 27, 2024. Cars raced on conference day. E. No semifinalist interview.
	<u>Semifinal Round:</u> Delete A. No semifinalist interview. C. The top three winners will be announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	<u>Pre-Conference:</u> D.14. Teams must provide their own battery pack and batteries. Batteries used must be two (2) AA 1.5 V batteries. It is recommended that teams test their vehicle with their battery pack prior to the conference.
	<u>Preliminary Round:</u> No change.
	<u>Semifinal Round:</u> No change.
	<b>No school or individual names labeled on projects</b> ; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.) Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g. 1234-1, 1234-2, etc.).
EVALUATION:	<u>Preliminary Round:</u> Delete D. No semifinalist interview.

Semifinal Round: A. No interview.
<ul><li>Evaluation is based on 190 points:</li><li>Documentation Portfolio (50)</li></ul>
<ul> <li>Display and Model (80)</li> <li>Race (60)</li> </ul>

# Leadership Strategies On-Site Event

OVERVIEW:	No change.
ELIGIBILITY:	2 teams of 3 members per chapter.
TIME LIMITS:	No change.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Preliminary Round:
	I. No semifinalists. No semifinal round. Winners announced at Awards Ceremony.
	Delete Semifinal Round.
	No semifinalists. No finalists. Top three winners announced at Awards Ceremony.
REGULATIONS	No change.
AND	
REQUIREMENTS:	
EVALUATION:	No semifinal round. Preliminary round only.
	Evaluation is based on 80 points:
	Presentation (80)

### **Mass Production**

**Pre-Conference Event** 

2024 Theme: A traveling game (a game that can be played in the car on a road trip)

	me: A traveling game (a game that can be played in the car on a road trip)
OVERVIEW:	No semifinalists. No presentation. Entries submitted Pre-Conference to the NJ TSA office by March 27, 2024.
ELIGIBILITY:	2 teams of 3-6 members per chapter.
TIME LIMITS:	Delete AC. No presentation/interview. Entries submitted Pre-Conference.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-conference: No change.
	Preliminary Round: A.1A.2. Documentation portfolio, and prototype are submitted Pre-Conference. B.1B.2. Judges score the documentation portfolio and prototype for each team. C. No semifinalists. No presentation. Winners are announced at Awards Ceremony.
	Delete Semifinal Round: No semifinalists. No presentation. No finalists. Top three winners will be announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	Pre-Conference:         No change.         Preliminary Round:         A.1A.2. Documentation portfolio, and prototype are submitted Pre-Conference.         C. Entries submitted Pre-Conference.
	Delete Semifinal Round: No semifinalists. No presentation. No finalists. Top three winners will be announced at Awards Ceremony.
	No school or individual names labeled on projects; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.) Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g. 1234-1, 1234-2, etc.).
EVALUATION:	Preliminary Round: No tiered judging. Judges score documentation portfolio and prototype for each team.
	<u>Semifinal Round.</u> No semifinalists. No presentation/interview.
	<ul> <li>Evaluation is based on 110 points:</li> <li>Prototype (40)</li> <li>Documentation Portfolio (70)</li> </ul>

### **Mechanical Engineering**

<u>On-Site Event</u> 2024 Problem Statement: Mousetrap Vehicle – Start line to full stop finish line distance is 10 feet.

OVERVIEW:	No change.
ELIGIBILITY:	1 team of 2-3 members per chapter.
TIME LIMITS:	No change.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference:
PROCEDURE.	
	No change.
	Destinates Descende
	Preliminary Round:
	Delete K. No interview.
	L. All teams will have their documentation portfolios judged.
REGULATIONS	Preliminary Round:
AND	No change.
<b>REQUIREMENTS:</b>	
	<b>No school or individual names labeled on projects</b> ; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.) Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g.
	1234-1, 1234-2, etc.).
EVALUATION:	Preliminary Round: Delete E. No exit interview.
	Semifinal Round:
	A. All teams are evaluated on their documentation portfolio and performance. No
	interview. Top three winners announced at Awards Ceremony.
	Evaluation is based on 110 points:
	Placement from Best of Two Runs (60)
	Portfolio Contents (50)

### **Medical Technology**

Pre-Conference Event

### For 2024- Emergency Medicine and Disaster Response: technologies that improve emergency medical services and aid in disaster response situations.

OVERVIEW:	No semifinalists. No presentation/interview. Display and Model/Prototype are
	submitted to the NJ TSA office by March 27, 2024.
	,,,,,,, _
ELIGIBILITY:	1 team of up to 6 members per chapter.
TIME LIMITS:	Delete AC. No semifinalists. No presentation/interview. Pre-Conference event.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference:
	No change.
	Preliminary Round:
	A. Display and model/prototype are submitted to the NJ TSA office by March 27, 2024.
	B.1B.2. Judges score the display and documentation portfolio or each team.
	C. No semifinalists. No presentation.
	Delete Semifinal Round:
	No semifinalists. No presentation. No finalists. Top three winners announced at
	Awards Ceremony.
REGULATIONS	Pre-Conference:
	No change.
REQUIREMENTS:	Delete Comifinal Dound
	Delete Semifinal Round:
	No semifinalists. No presentation. No finalists. Top three winners announced at
	Awards Ceremony.
	No school or individual names labeled on projects; only State Conference ID#'s are to be
	used. Upon registering students for the <u>State Conference</u> online, they are automatically
	assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e.
	portfolio, display, model, etc.)
	Team ID#s may be used for team events. A Team ID# is the first four numbers of students'
	individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are
	multiple teams from one chapter for the same competition, include which team they are on (e.g. 1234-1, 1234-2, etc.).
EVALUATION:	Preliminary Round:
	No tiered judging. The display and model/prototype are judged for each team.
	The deliver judging. The depiloy and meder prototype are judged for each team.
	Delete Semifinal Round:
	No semifinalists. No presentation. No finalists. Top three winners announced at
	Awards Ceremony.
	Evaluations will be based on 120 points:
	• Display (80)
	<ul> <li>Model/Prototype (40)</li> </ul>

# Microcontroller Design On-Site Event 2024 Theme: Interactive automated insect

OVERVIEW:	No change.
ELIGIBILITY:	2 teams of up to 6 members per chapter. Teams of 1 individual are permitted.
TIME LIMITS:	No change.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference:
	No change.
	On-Site Challenge:
	A. All team members may participate in the oral presentation.
	F. No finalists. Winners announced at Awards Ceremony.
REGULATIONS	Pre-Conference:
AND	No change.
REQUIREMENTS:	No change.
REQUIREMENTS.	On Site Challenger
	On-Site Challenge:
	BC. Teams should pick up their portfolio and device prior to leaving the conference.
	No school or individual names labeled on projects; only State Conference ID#'s are to be
	used. Upon registering students for the <u>State Conference</u> online, they are automatically
	assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e.
	portfolio, display, model, etc.)
	Team ID#s may be used for team events. A Team ID# is the first four numbers of students'
	individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are
	multiple teams from one chapter for the same competition, include which team they are on (e.g.
	1234-1, 1234-2, etc.).
EVALUATION:	No change.
	Evolution is based on 450 minutes
	Evaluation is based on 150 points:
	Documentation Portfolio (30)
	Device (80)
	Presentation (40)

### Off the Grid Static Event

2024 Design Brief: Design a home in a country containing a Grassland biome for a family of three (3) with two (2) generations living in the home. The country can be any country containing the grassland biome of your choice. The house must be designed for an area that does not have access to a power grid. In addition, the house must include a renewable energy source, one (1) agricultural system, and solve one (1) problem that is specific to the area.

OVERVIEW:	No semifinalists. No presentation/interview. Teams submit their display, model, and documentation portfolio on conference day for evaluation.
ELIGIBILITY:	1 team of up to 6 members per chapter. Teams of 1 individual are permitted.
TIME LIMITS:	No semifinalists. No presentation/interview.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference:         Delete E. No presentation.         Preliminary Round:         B.1B.2. Judges score the Model and Display criteria, and Documentation Portfolio criteria, for all teams. No preliminary contestants, no semifinalists.         C. Winners announced at Awards Ceremony.
	Delete Semifinal Round. No semifinalists. No presentation/interview. Top three winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	Pre-Conference:         No change.         Preliminary Round:         No change.
	Delete Semifinal Round. No semifinalists. No presentation/interview. Top three winners announced at Awards Ceremony.
	No school or individual names labeled on projects; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.) Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g. 1234-1, 1234-2, etc.).
EVALUATION:	Preliminary Round: No tiered judging. All teams are evaluated on their display, model, and documentation portfolio.

Delete Semifinal Round. No semifinalists. No presentation/interview.
<ul> <li>Evaluations will be based on 170 points:</li> <li>Display (40)</li> <li>Model Design (50)</li> <li>Documentation Portfolio (80)</li> </ul>

Prepared Speech <u>On-Site Event</u> 2024 Theme: Evolution of Excellence

OVERVIEW:	No change.
ELIGIBILITY:	2 individuals per chapter.
TIME LIMITS:	No change.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Preliminary Round: D. No semifinalists. No semifinal round.
	Delete Semifinal Round. No semifinalists. Preliminary round only. No finalists. Top three winners announced at award ceremony.
REGULATIONS AND REQUIREMENTS:	<u>Preliminary Round:</u> H. NJ TSA will provide a podium.
	Delete Semifinal Round. No semifinalists. Students make one speech. Top three winners announced at award ceremony.
EVALUATION:	No change. Evaluation is based on 100 points: • Content (30) • Stage Presence (30)
	Organization (40)

### Problem Solving On-Site Event

OVERVIEW:	No change.
	No change.
ELIGIBILITY:	2 teams of 2 members per chapter.
TIME LIMITS:	Teams will have 1.5 hours for design and construction of the solution.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	On-Site Challenge:
	A. Teams do not need to bring a tool box or safety glasses. NJ TSA will provide all
	materials and tools.
	C. Teams are allowed 1.5 hours to design and construct a solution.
	F. No finalists. Top three winners announced at Awards Ceremony.
REGULATIONS	B. NJ TSA will provide all materials.
AND	Delete DH. Teams do not need to bring a tool box or glasses. NJ TSA will provide all
<b>REQUIREMENTS:</b>	materials and tools.
EVALUATION:	AC. Scoring will be outlined on the design brief, which teams will receive on
	conference day.

### **Promotional Marketing**

### **Pre-Conference Event**

2024 Theme: Summer Middle School TSA is hosting a STEM night at the school and your goal is to create the marketing materials for this event.

Additional Information:

Date of event: May 20 Time: 6:00PM – 8:00PM Your promotional toolkit needs to include the following three items.

- 1. Printable: Design a bi-fold brochure
- 2. Wearable: A t-shirt that can be given to participants
- 3. Digital Signage: Short video (1  $\frac{1}{2}$  2  $\frac{1}{2}$  minutes) to be shown at the STEM night event

OVERVIEW:	No semifinalists. No on-site challenge. Entries submitted Pre-Conference. All components of the chapter's entry must be submitted to NJ TSA's online conference system by 11:59 pm on March 27, 2024. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 individuals per chapter.
TIME LIMITS:	Pre-Conference:         A. Change mid-May to March 27, 2024.         Delete Semifinal Round.         No semifinalists. No on-site challenge.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference:         E. Change mid-May to March 27, 2024.         F. Submission information will be provided by NJ TSA.         Preliminary Round:         No semifinalists. Winners announced at Awards Ceremony.         Delete Semifinal Round.         No semifinalists. No on-site problem. Top three winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	Pre-Conference         H. Change mid-May to March 27, 2024.         Delete Semifinal Round.         No semifinalists. No on-site problem.         No school or individual names labeled on projects; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.)

EVALUATION:	Delete B. No on-site design challenge. No semifinalists.
	<ul> <li>Evaluation is based on 150 points:</li> <li>Print Design (50)</li> <li>Wearable Design (50)</li> <li>Digital Signage (50)</li> </ul>

### **STEM Animation**

Pre-Conference Event

2024 Theme: The use of robots in the medical field

OVERVIEW:	No semifinalists. No presentation.
	Documentation portfolio, and animation video, must be finished, submitted, and accessible via the Internet by 11:59pm on March 27, 2024. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 teams of up to 6 members per chapter.
TIME LIMITS:	Preliminary Round: A. Change mid-May to March 27, 2024.
	Delete Semifinal Round. No semifinalists. No presentation.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference: C. Change mid-May to March 27, 2024. D. Submission information will be provided by NJ TSA. URL of animation video, and PDF of documentation portfolio must be submitted online by 11:59pm on March 27, 2024.
	Preliminary Round: No semifinalists. Winners announced at Awards Ceremony.
	Delete Semifinal Round. No semifinalists. No presentation. Top three winners announced at Awards Ceremony.
REGULATIONS AND	Preliminary Round: No change.
REQUIREMENTS:	<b>No school or individual names labeled on projects</b> ; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.) Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g. 1234-1, 1234-2, etc.).
EVALUATION:	Preliminary Round: No change.
	<u>Delete Semifinal Round.</u> No presentation. No semifinalists.
	<ul> <li>Evaluation is based on 80 points:</li> <li>Documentation Portfolio (30)</li> <li>Animation (50)</li> </ul>

### **Structural Engineering**

## <u>On-Site Event</u> 2024 Problem Design Brief: https://tsaweb.org/competitions-programs/tsa/themes-problems

OVERVIEW:	No semifinalists. No on-site construction problem. Teams bring their documentation
OVERVIEW.	portfolio, and pre-built structure for destructive testing on conference day.
ELIGIBILITY:	1 team of 2 members per chapter.
SAFETY EYEWEAR:	No change.
TIME LIMITS:	Delete AB. No on-site construction. Teams bring their documentation portfolio, and pre-built structure for destructive testing on conference day. No semifinalists.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference No change.
	Preliminary Round Delete. E. No semifinalists. Winners announced at Awards Ceremony.
	Delete Semifinal Round No semifinalists. No on-site construction. Top three winners announced at Awards Ceremony.
	Dra Canfaranaa
REGULATIONS AND	Pre-Conference No change.
REQUIREMENTS:	
	Preliminary Round No change.
	Delete Semifinal Round No semifinalists. No on-site construction. Top three winners announced at Awards Ceremony.
	<b>No school or individual names labeled on projects</b> ; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.) Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 2345678, the Team ID# would be 2345. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g. 2345-1, 2345-2, etc.).
EVALUATION:	All structures meeting requirements will be tested. Rank will be determined by the efficiency rating. Evaluation is based on the Pre-Built Structure and Documentation Portfolio

### System Control Technology

<u>Static Event</u> The 2024 Design Problem will be posted on the NJ TSA website on January 15, 2024.

OVERVIEW:	No change
	Teams solve the design problem posted on the NJ TSA website. Model is constructed off-site. No on-site portion. Teams bring completed model for evaluation on conference day, and leave instructions for evaluators to operate the device.
ELIGIBILITY:	2 teams of 2 members per chapter
	2 teams of 3 members per chapter
TIME LIMITS:	Delete AD. Teams solve the design problem posted on the NJ TSA website. Model is constructed off-site. No on-site portion. No interview.
	There will be a 15 minute set up time (students set up completed model and leave instructions for evaluators to operate the device).
ATTIRE:	See Page 6-7 of this guide for required dress code.
PROCEDURE:	Delete AI. All components of the team's project (Inventor's Log and Solution to Problem) are constructed off-site. There is no on-site portion. All teams solve the design problem posted on the NJ TSA website and bring their completed device on conference day for evaluation. Teams will set up their device, and leave instructions for evaluators to operate it. No interview. No finalists. Top three winners are announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	<ul> <li>AI. All components of the team's project (Inventor's Log and Solution to Problem) are constructed off-site. There is no on-site portion. All teams solve the design problem posted on the NJ TSA website and bring their completed device on conference day for evaluation. Teams will set up their device, and leave instructions for evaluators to operate it. No interview. No finalists. Top three winners are announced at Awards Ceremony.</li> <li>No school or individual names labeled on projects; only State Conference ID#'s are</li> </ul>
	to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.) Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 2345678, the Team ID# would be 2345. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g. 2345-1, 2345-2, etc.).
EVALUATION:	Delete D. No interview.
	<ul> <li>Evaluation is based on 100 points:</li> <li>Inventor's Log (20)</li> <li>Solution to Problem (60)</li> <li>Programming Structure (20)</li> </ul>

### **Tech Bowl**

### **On-Site Event** OVERVIEW: All participants will complete an online, objective test PRIOR to the State Conference, on March 21, 2024 from 7:15pm-8:15pm. Testing procedures will be shared with advisors. All teams will compete in a head-to-head competition on conference day. ELIGIBILITY: 1 team of 3 members per chapter. TIME LIMITS: Preliminary Round A. The (1) hour test is taken by all team members, individually, online, PRIOR to the State Conference, on March 21, 2024 from 7:15pm-8:15pm. Testing procedures will be shared with advisors. Semifinal Round No semifinalists. All teams participate in the oral competition on conference day. See Page 6 of this guide for required dress code. ATTIRE: **PROCEDURE:** Delete ALL. Follow the procedures listed below: 1. All participants will take the test online, prior to conference day. Testing procedures will be shared with advisors. 2. On conference day, team members will report to the oral event area holding room for briefing at the designated time. After briefing, advisors must leave and the team will remain in the holding room until called for competition. Teams may visit with other teams; however, no advisors or visitors may enter the holding room. 3. No audience members are permitted into the oral event area. 4. When instructed to do so, two (2) teams will enter the event area 5. and be seated according to instructions. 6. When a team has been defeated in any round of the oral event, the team is out of the competition. 7. Questions will be drawn, as needed, from a card file resource bank. 8. A team's total score is derived from the correct answers to the questions asked. For each correct answer, a team will receive ten (10) points. When a question has been completely read and a team is recognized to answer, if the team does not answer or answers incorrectly, five (5) points will be deducted from the team's score. In this instance, the other team does not have the opportunity to respond to this question, and the next question is read for both teams. If is guestion is being read and a team member presses the button before the question is finished, the member must answer completely as stated on the answer card. If the answer given is incorrect, the entire question will be read for the other team. 9. A total of twelve (12) questions will be asked per round. No questions will be repeated in another round. In the case of the tie, five (5) additional questions will be asked. This procedure will continue until the tie is broken. The questions will be picked at random from the basic areas tested. 10. Bonus Question There will be one additional question (bonus question). The bonus question will be announced, and the team that answers it correctly will have the opportunity to answer one additional question. This is the only time when team members may consult with each other before giving an answer. The

REGULATIONS AND REQUIREMENTS:	<ul> <li>team will have ten (10) seconds to give its answer. If a team gives an incorrect answer to the bonus question, then the question will be read to the other team. Bonus point scoring: If a team answers the bonus correctly, that team receives fifteen (15) points; if a team answers the bonus incorrectly, that team loses five (5) points from its score.</li> <li>11. A panel of evaluators will be available to respond to questions concerning acceptable answers.</li> <li>1. Rulings on acceptable answers will be made only during the round in question.</li> <li>2. Rulings will be made immediately, to do one of the following: <ul> <li>a. Accept only the answers listed on the card.</li> <li>b. Accept the student's answer and renew points, or remove the question and read another in its place.</li> <li>c. The rulings of the panel will be final.</li> </ul> </li> <li>Delete ALL. Follow regulations listed below: <ul> <li>No transmitting or recording devices, including cell phones, will be permitted in the event area. No prompting will be permitted.</li> <li>The team member who "buzzes in" will have five (5) seconds to answer the question, without discussion.</li> <li>The team that answers the bonus question will be allowed ten (10) seconds to discuss the extra question and give an answer.</li> <li>After a question is read, the competing teams will have ten (10) seconds to answer. If a team member "buzzes in" before a question, then another question will be read.</li> </ul></li></ul>
EVALUATION:	Delete ALL. Follow evaluation listed below: Evaluation is based on the total points from the three written tests plus the total points from the oral competition. Awards will be given to the top three (3) teams.

### Technical Design Pre-Conference Event

The 2024 design problem will be posted on the NJ TSA website at 5pm on March 9, 2024. Teams submit their solution online by 5pm on March 14, 2024. Submission procedures will be shared with advisors.

<u>Please note</u>—this event has an **earlier due date** than other events. Teams have a limited amount of time to solve the problem and submit their solution.

OVERVIEW: ELIGIBILITY: TIME LIMITS:	<ul> <li>Problem is solved off-site. Students have a limited amount of time to solve the problem. The design problem will be posted on the NJ TSA website at 5pm on March 9, 2024. Entries must be submitted online by 5pm on March 14, 2024.</li> <li>1 team of 2 members per chapter.</li> <li>Problem is solved off-site. Students have a limited amount of time to solve the</li> </ul>
	problem. The design problem will be posted on the NJ TSA website at 5pm on March 9, 2024. Entries must be submitted online by 5pm on March 14, 2024.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Preliminary Round: A. Problem is solved off-site. Students have a limited amount of time to solve the problem. The design problem will be posted on the NJ TSA website at 5pm on March 9, 2024. Entries must be submitted online by 5pm on March 14, 2024. Submission procedures will be provided by NJ TSA.
REGULATIONS AND REQUIREMENTS:	<ul> <li><u>Preliminary Round:</u></li> <li>D.1. The documentation portfolio must be submitted online as a PDF document. Submission procedures will be provided by NJ TSA.</li> <li><b>No school or individual names labeled on projects</b>; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.)</li> <li>Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g. 1234-1, 1234-2, etc.).</li> </ul>
EVALUATION:	No change.
	Evaluation is based on 100 points: • Solution (100)

## Video Game Design Pre-Conference Event

OVERVIEW:	No semifinalists. No on-site interview.
	The video game, and documentation portfolio, must be finished, submitted, and accessible via the Internet by 11:59pm on March 27, 2024. Submission procedures will be shared with advisors.
ELIGIBILITY:	1 team of 2-6 members per chapter.
TIME LIMITS:	Pre-Conference/Preliminary Round: A. Change submission date from mid-May to March 27, 2024. E. Change National TSA Conference to NJ State Conference.
	Delete Semifinal Round.
	No semifinalists. No on-site interview.
ATTIRE:	See Page 6 of this guide for required dress code.
	See 1 age 0 of this guide for required dress code.
PROCEDURE:	C. Change submission date from mid-May to March 27, 2024. D. Submission information will be provided by NJ TSA.
	Decliminary Dound
REGULATIONS AND	Preliminary Round: A. Entries must be accessible online until the NJ State Conference.
REQUIREMENTS:	G. No semifinalists. Winners announced at Awards Ceremony.
	<u>Delete Semifinal Round.</u> No semifinalists. No interview.
	<b>No school or individual names labeled on projects</b> ; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.) Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g. 1234-1, 1234-2, etc.).
EVALUATION:	Preliminary Round:
LVALOATION.	No change.
	Delete Semifinal Round. No semifinalist presentation. No interview.
	Evaluation is based on 100 points: • Video Game Design (60) • Documentation Portfolio (40)

# **Vlogging** <u>Pre-Conference Event</u> 2024 Theme: Ethical Use of Artificial Intelligence

Minimum number of videos: 4

OVERVIEW:	No on-site challenge. Entries submitted Pre-Conference.
ELIGIBILITY:	2 teams of 2-6 members per chapter.
TIME LIMITS:	Preliminary Round:         A. Entries must be submitted online by 11:59pm on March 27, 2024.         Delete Semifinal Round.         No semifinalists.         No on-site challenge.         Top three winners announced at award ceremony.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference: DEntries must be submitted online by 11:59pm on March 27, 2024. E. Submission information will be provided by NJ TSA. Preliminary Round:
	A.1A.2. Judges evaluate the Vlog Series and Documentation Portfolio for each team.         B. No semifinalists. No on-site challenge.         Delete Semifinal Round.         No semifinalists. No on-site challenge. Top three winners announced at award ceremony.
REGULATIONS AND REQUIREMENTS:	Pre-Conference:         No change.         Delete Semifinal Round.         No semifinalists.         No on-site challenge.         Top three winners announced at award ceremony.
EVALUATION:	Preliminary Round:         No tiered judging. Judges evaluate the Vlog Series and Documentation Portfolio for each team.         Delete Semifinal Round.         No semifinalists. No on-site challenge. No interview. Top three winners announced at award ceremony.         Evaluation is based on 110 points:         •       Vlog Series (80)         •       Documentation Portfolio (30)

### **Website Design**

Pre-Conference Event

### 2024 Design Brief: Website for a Makerspace

Challenge: Develop a website for a fictitious makerspace in a community. It should provide information about what equipment and services the makerspace offers, membership information, hours, and a calendar of events. It should be easy to follow and include an option to reserve equipment or space.

OVERVIEW:	No semifinalists. No interview.
	The website, and any required documentation, must be finished, submitted, and accessible via the Internet by 11:59pm on March 27, 2024. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 teams of 3-6 members per chapter.
TIME LIMITS:	Pre-Conference/Preliminary Round: A. Change date from mid-May to March 27, 2024. URL must be submitted online. Any required forms must be submitted online in PDF format. Submission procedures will be provided by NJ TSA.
	Delete Semifinal Round.
	No semifinalists. No interview. Winners announced at Awards Ceremony.
ATTIRE:	See Dage 6 of this guide for required dress code
	See Page 6 of this guide for required dress code.
PROCEDURE:	Pre-Conference: C. Change date from mid-May to March 27, 2024. D. Submission information will be provided by NJ TSA.
	Preliminary Round: No semifinalists. No interview. Winners announced at Awards Ceremony.
	Delete Semifinal Round. No semifinalists. No interview. Top three winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	Pre-conference/Preliminary Round: I. Change date from mid-May to March 27, 2024.
	Delete Semifinal Round. No semifinalists. No interview. Top three winners announced at Awards Ceremony.
	<b>No school or individual names labeled on projects</b> ; only State Conference ID#'s are to be used. Upon registering students for the <u>State Conference</u> online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio, display, model, etc.) Team ID#s may be used for team events. A Team ID# is the first four numbers of students' individual ID#s (e.g. if a student ID# is 1234567, the Team ID# would be 1234. If there are multiple teams from one chapter for the same competition, include which team they are on (e.g. 1234-1, 1234-2, etc.).

EVALUATION:	Preliminary Round: No change.
	<u>Delete Semifinal Round.</u> No semifinalist interview.
	Evaluation based on 90 points: • Website (90)