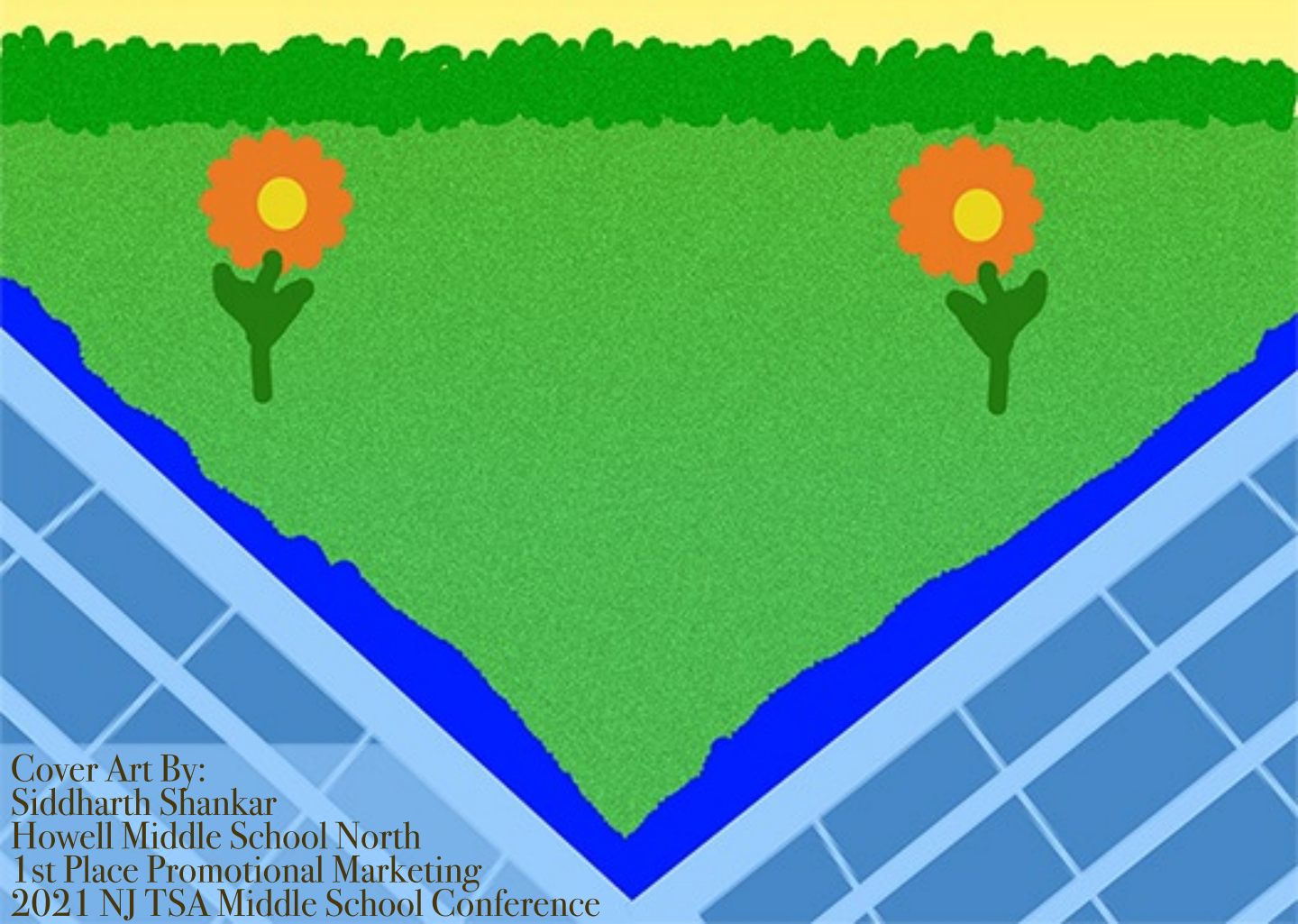




2022 NJ TSA Middle School Supplement



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Siddharth Shankar
Howell Middle School North
1st Place Promotional Marketing
2021 NJ TSA Middle School Conference

2021-2022 New Jersey TSA Executive Committee

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Ms. Megan Herbert	Freehold Township High School
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State Regional Coordinator

Ms. Sherry Roses	Howell High School
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State Advisor and Corporate Member

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

Competitive Event Coordinator

Mr. Henry Harms, Center for Excellence in STEM Education, Department of Technological Studies, School of Engineering, The College of New Jersey

Business Administrator

Ms. Rebecca Turner, Center for Excellence in STEM Education, Department of Technological Studies, School of Engineering, The College of New Jersey

The 2022 NJ Supplement
to the
TSA Middle School VIRTUAL Competitive Events Guide
(for the 2022 and 2023 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 virtually, in Spring 2022. Competitive event entries will be submitted electronically, by March 30, 2022, and a virtual Awards Ceremony will take place on an April date TBA. Participants wishing to take part in these online competitions may do so FREE of charge; there is no registration fee to participate. All students must be registered in the NJ TSA State Conference Registration System to participate. Students will need the ID# they receive upon conference registration, to label electronic entries.

How this booklet works

The *NJ Supplement* works in conjunction with the **National TSA Middle School 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 through the NJ TSA Virtual State Conference in alphabetical order as well as the maximum number of participants or teams permitted to compete from each chapter. Each New Jersey competitive event in this booklet lists only the modifications from the National guidelines. 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.

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 better prepared for participation in competitive events this spring.

Any questions may be directed to Ms. Alison Goeke, NJ TSA State Advisor at goeke2@tcnj.edu, Henry Harms, NJ TSA Competitive Event Coordinator, at harms@tcnj.edu, or Rebecca Turner, NJ TSA Business Manager, at turner25@tcnj.edu.

General Rules Governing Competitive Events

I. MIDDLE SCHOOL EVENTS

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

EVENT	ELIGIBILITY
Entries for the following events are due March 1, 2022 (design problems posted February 24, 2022):	
Challenging Technology Issues	2 teams of 2 members per chapter.
Essays on Technology	2 individuals per chapter.
Leadership Strategies	2 teams of 3 members per chapter.
Technical Design	2 teams of 2 members per chapter.
Entries for the following events are due March 30, 2022:	
Biotechnology	2 teams of 3-6 members per chapter.
Career Prep	2 individuals per chapter.
Children's Stories	2 teams of up to 6 members per chapter. Teams of 1 individual are permitted.
Coding	2 teams of 2 members per chapter.
Community Service Video	2 teams of up to 6 members per chapter. Teams of 1 individual are permitted.
CAD Foundations	2 individuals per chapter.
Construction Challenge	2 teams of up to 6 members per chapter.
Data Science & Analytics	2 teams of 2-3 members per chapter.
Digital Photography	2 individuals per chapter.
Inventions and Innovations	2 teams of 3-6 members per chapter.
Junior Solar Sprint	2 teams of 2-4 members per chapter.
Mass Production	2 teams of 3-6 members per chapter.
Mechanical Engineering	2 teams of 2-3 members per chapter.
Medical Technology	2 teams of up to 6 members per chapter.
Microcontroller Design	2 teams of up to 6 members per chapter. Teams of 1 individual are permitted.
Off the Grid	2 teams of up to 6 members per chapter. Teams of 1 individual are permitted.
Prepared Speech	3 individuals per chapter.
Promotional Marketing	2 individuals per chapter.
STEM Animation	2 teams of up to 6 members per chapter.
Video Game Design	2 teams of 2-6 members per chapter.
Website Design	2 teams of 3-6 members per chapter.
The following events consist of online tests only. Testing dates will be announced in the spring:	
Chapter Team	2 teams of 6 members per chapter.
Cybersecurity	2 individuals per chapter.
Electrical Applications	2 teams of 2 members per chapter.
Forensic Technology	2 teams of 2 members per chapter.
Foundations of Information Technology	2 individuals per chapter.
Tech Bowl	2 teams of 3 members per chapter.

II. PROJECT SUBMISSION

All entries must be uploaded (NOT EMAILED) to the NJ online conference system by 11:59pm on March 30, 2022. For team events, a team captain must be designated to upload the team's project.

Please note the events with an earlier deadline, listed on Page 4, which are due by 5pm on March 1, 2022. For these events, guidelines require a short window of time for students to solve problems. Please see the specific submission requirements listed under each competition in this document.

When uploading entries, the individual or student ID#, must be used to name/label projects.

Upon registering students in the State Conference Registration System, they are automatically assigned a State Conference ID# (this is different from a National TSA ID#). The State Conference ID# needs to be on all parts of student projects (i.e. portfolios, models, displays, copyright/release forms, 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.).

III. PARTICIPATION IN COMPETITIVE EVENTS

- A. Participation in the 2022 NJ TSA Middle School Virtual State Conference is FREE.
- B. TSA members may register and participate in no more than **SIX total events**.
- C. Students must be registered in the State Conference Registration System in order to enter and become finalists/winners in a competition.
- D. **No school or individual names labeled on projects**, unless otherwise noted. **Only ID#'s are to be used.** Upon registering students in the State Conference Registration System, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolios, models, displays, copyright/release forms, 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.).
- E. NJ TSA is not responsible for compatibility issues with electronic files. Judges will not be permitted to install programs to view files.
- F. Proper procedures for citing material taken from other sources must be followed as outlined in specific competitive event guidelines. Copyright procedures and forms must be completed and submitted with entries when necessary.
- G. The maximum size of a team is 6 members, unless otherwise designated in a competition's eligibility guideline.
- H. 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 EVENT ATTIRE

ALL STUDENTS APPEARING IN A PRESENTATION VIDEO **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.

Please note—the Official TSA Shirt (royal blue) is mandatory for participation at the *National TSA Conference*. Students are strongly encouraged to wear the Official TSA Shirt to the NJ TSA *State Conference*, however, it is not required.

- A. Official TSA Attire:
 - Blazer: navy blue with official TSA patch
 - Tie: scarlet red imprinted with official TSA logo (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:
 - A collared shirt/blouse, long pants (no shorts or jeans), dresses/skirts, socks/hosiery and appropriate footwear.
- C. A polo shirt may be substituted for a collared shirt/blouse.

VI. AWARDS

Virtual Awards Ceremony

A virtual Awards Ceremony will take place in April 2022 (date TBA) to celebrate the achievements of NJ TSA members and conference participants. 1st, 2nd, and 3rd place winners of competitions will be recognized.

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. Please email completed forms to Alison Goeke, goeke2@tcnj.edu by March 30, 2022. Go to <https://tsaweb.org/resources/student-members/student-achievement-awards> to access forms.

VII. IMPORTANT DATES AND DEADLINES

January 10, 2022

NJ State Conference Registration OPENS

January 10, 2022

Design Problems for the following events posted on the [NJ TSA website](#):

Coding
Computer-Aided Design (CAD) Foundations

Note- other design problems/themes for 2022 can be found within this document, and on the [National TSA website](#)

February 24, 2022- March 1, 2022

Design Problems/themes for the following events are posted at 5pm on February 24, 2022 on [NJ TSA website](#).

Completed entries must be uploaded to the NJ online conference system by 5pm on March 1, 2022:

Challenging Technology Issues
Essays on Technology
Leadership Strategies
Technical Design

March 30, 2022

The following competitive event entries are due, and must be uploaded to the NJ online conference system by 11:59 pm:

Biotechnology
Career Prep
Children's Stories
Coding
Community Service Video
Computer-Aided Design (CAD) Foundations
Construction Challenge
Data Science and Analytics
Digital Photography
Inventions and Innovations
Junior Solar Sprint
Mass Production
Mechanical Engineering
Medical Technology
Microcontroller Design
Off the Grid
Prepared Speech
Promotional Marketing
STEM Animation
Video Game Design
Website Design

Testing Dates TBS

The following competitive events consist of online tests only. Testing dates will be announced in the spring.

Chapter Team
Cybersecurity
Electrical Applications
Forensic Technology
Foundations of Information Technology
Tech Bowl

March 30, 2022

Technology Honor Society, State Officer Nominations due

March 31, 2022

State Conference Registration CLOSES at 5pm.

April 2022 (date TBA)

NJ TSA Virtual Awards Ceremony

June 26-30, 2022

In-Person National TSA Conference
Gaylord Texan Resort & Convention Center
Dallas, Texas
Theme: Discover Your Journey

Level I – Middle School Events

Biotechnology

2022 Theme: Sustaining natural resources for future generations

OVERVIEW:	No semifinalists. All teams record a presentation. No live interview. The documentation portfolio, and presentation, must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 teams of 3-6 members per chapter.
TIME LIMITS:	No semifinalists. All teams record a presentation up to five (5) minutes in length. No live interview. A.-C. Presentation is to be no more than five (5) minutes in length.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p><u>Pre-Conference:</u> No change.</p> <p><u>Preliminary Round:</u> 1. Entries are submitted online by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors. The display should be highlighted in the video presentation. Teams may also include photos of the display in the documentation portfolio. B.1.-B.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.</p> <p><u>Semifinal Round:</u> A.-C. No semifinalists. All teams record a presentation up to five (5) minutes in length. Any team member may participate in the presentation. No live interview. Presentations (URL) submitted online with the documentation portfolio (PDF). Delete D. No live component. Entries submitted online. E. Top three winners will be announced at Awards Ceremony.</p>
REGULATIONS AND REQUIREMENTS:	<p><u>Pre-Conference:</u> C.1. Documentation portfolio is submitted online as a PDF document. No printed pages. Teams may include photos of the display in the documentation portfolio. Delete D. No on site component. Entries submitted online.</p> <p><u>Semifinal Round:</u> A. No semifinalists. All teams record a presentation up to five (5) minutes in length. Any team member may participate in the presentation. No live interview. Presentations (URL) submitted online with the documentation portfolio (PDF). B. No live interview. Recorded presentation only. Display should be highlighted in the presentation. C. Presentations are recorded and submitted online. D.1.-3. All teams record a presentation up to five (5) minutes in length.</p>

	<p>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.)</p> <p><i>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.).</i></p>
EVALUATION:	<p><u>Preliminary Round:</u> No change.</p> <p><u>Semifinal Round:</u> A. No semifinalists. All teams record a presentation up to five (5) minutes in length. Delete B. No interview. No live component.</p> <p>Evaluation is based on 200 points:</p> <ul style="list-style-type: none"> • Display (90) • Documentation Portfolio (50) • Presentation (60)

Career Prep

2022 Theme: Select a career from one (1) of the following career clusters:

1. Arts, Audio/Visual Technology and Communications
2. Marketing, Sales and Service
3. Science, Technology, Engineering and Mathematics

OVERVIEW:	No semifinalists. No mock interview. The letter and resume are to be finished, submitted, and accessible via the Internet by 11:59pm on March 20, 2022. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 individuals per chapter.
TIME LIMITS:	<u>Preliminary Round:</u> A. Change May 15 th to March 30, 2022. C. Email verification will be made upon request. <u>Delete Semifinal Round.</u> No semifinalists. No mock interview.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<u>Pre-Conference:</u> D. Change May 15 th to March 30, 2022. E. Submission information will be provided by NJ TSA. <u>Preliminary Round:</u> No semifinalists. Top three winners announced at Awards Ceremony. <u>Delete Semifinal Round.</u> No semifinalists. No mock interview. Top three winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	<u>Pre-Conference:</u> No change. <i>Please be sure that submissions have fictitious home address and telephone number. Correct participant names must be used.</i> 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:	<u>Preliminary Round:</u> No change. <u>Delete Semifinal Round.</u> No mock interview. No semifinalists. Winners announced at Awards Ceremony. Evaluation is based on 80 points: <ul style="list-style-type: none"> • Cover Letter (40) • Job-Specific Resume (40)

Challenging Technology Issues

2022 Topics:

- Contactless Payments (Tap to Pay, Venmo, etc.)
- Cryptocurrency
- General Education Curriculum
- Plastic Bags and Water Bottles
- Social Media Privacy

The assigned topic will be posted on the NJ TSA website at 5pm on February 24, 2022. Teams record their presentation and submit it online by 5pm on March 1, 2022. Submission procedures will be shared with advisors.

Please note—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:	No change. The assigned topic will be posted on the NJ TSA website at 5pm on February 24, 2022. Teams record their debate-style presentation and submit it online (URL) by 5pm on March 1, 2022. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 teams of 2 members per chapter.
TIME LIMITS:	A. The assigned topic will be posted on the NJ TSA website at 5pm on February 24, 2022. Teams record their debate-style presentation and submit it online (URL) by 5pm on March 1, 2022. Submission procedures will be shared with advisors. B. Teams are responsible for tracking their time and staying within the four (4) minute time limit while recording their presentation.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<u>Preliminary Round:</u> A.-E. The assigned topic will be posted on the NJ TSA website at 5pm on February 24, 2022. Teams record their debate-style presentation and submit it online (URL) by 5pm on March 1, 2022. Submission procedures will be shared with advisors. Teams are responsible for tracking their time and staying within the four (4) minute time limit while recording their presentation. No semifinalists. Winners are announced at the Awards Ceremony. <u>Delete Semifinal Round.</u> No semifinalists. No semifinal round. Top three winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	A. No semifinal round. All teams record one presentation up to four (4) minutes in length. B. No preparation room. No on-site component. Teams record debate-style presentation and submit it online. D.3.-D.4. There is no prompting by judges. It is a recorded presentation. The team may state the selected topic, then the presentation begins, once the team member begins to speak. D.7.-D.8. Participants are responsible for tracking their own time and recording the presentation within the time constraints.

EVALUATION:	No semifinal round. No semifinalists. Evaluation is based on 150 points: <ul style="list-style-type: none">• Pro Side (70)• Con Side (70)• Participation (10)

Chapter Team

OVERVIEW:	Test of parliamentary procedures will be taken online. No semifinalists. No oral presentation. Testing date and procedures will be shared with advisors.
ELIGIBILITY:	A. 2 teams of 6 members per chapter. C. No semifinalists. No oral presentation. All teams take the written test only.
TIME LIMITS:	<u>Preliminary Round:</u> No change. <u>Delete Semifinal Round.</u> No semifinalists. No oral presentation. Online test only. Winners announced at Awards Ceremony.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<u>Preliminary Round:</u> A. Test will be taken online. Testing date and procedures will be shared with advisors. C. No semifinalists. No oral presentation. Online test only. Winners announced at Awards Ceremony. <u>Delete Semifinal Round.</u> No semifinalists. No oral presentation. Online test only. Winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	<u>Preliminary Round:</u> Delete A. Test is taken online. B. Test is taken online. C.1. No semifinal round. No oral presentation. Delete C.3. No event room. No oral presentation. Online test only. <u>Delete Semifinal Round.</u> No semifinalists. No oral presentation. Online test only. Winners announced at Awards Ceremony.
EVALUATION:	<u>Preliminary Round:</u> No change. <u>Delete Semifinal Round.</u> No semifinalists. No oral presentation. Online test only. Winners announced at Awards Ceremony. Evaluation is based on 10 points: <ul style="list-style-type: none"> • Team test (10)

Children's Stories

2022 Theme: Design a children's book on STEM careers for elementary students in grades 1-3.

OVERVIEW:	No change. The documentation portfolio, and photos or PDF or slides of the physical storybook, must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.
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:	<p><u>Pre-Conference:</u> No change.</p> <p><u>Preliminary Round:</u> A. Entries are submitted online by 11:59pm on March 30, 2022. A.1. Photos of the physical storybook are to be submitted online by 11:59pm on March 30, 2022, along with the documentation portfolio (PDF). It is up to teams how they want to document the physical storybook (e.g. photos within a slideshow), however, judges need clear photos of each page so that they can read and evaluate the book. A.2. The documentation portfolio is to be submitted online as a PDF document. B.1.-B.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.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No on-site component. No reading or interview. Top three winners announced at Awards Ceremony.</p>
REGULATIONS AND REQUIREMENTS:	<p><u>Pre-Conference:</u> B.1. The documentation portfolio must be submitted as a PDF document. Teams must also submit photos, or a PDF, or slides, etc. of the physical storybook. It is up to teams how they want to document the physical storybook, however, judges need clear photos of each page so that they can read and evaluate the book.</p> <p><u>Preliminary Round:</u> A. Documentation portfolio, and photos of storybook, are submitted online by 11:59pm on March 30, 2022.</p> <p><i>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.)</i> <i>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.).</i></p>

EVALUATION:	<p><u>Preliminary Round:</u> A.-B. The storybook, and documentation portfolio is evaluated for each team. No tiered judging, no semifinalists.</p> <p><u>Delete Semifinal Round.</u> No reading. No interview. No semifinalists. Winners announced at Awards Ceremony.</p> <p>Evaluation is based on 210 points:</p> <ul style="list-style-type: none">• Storybook (130)• Documentation Portfolio (80)

Coding

2022 Design Problem will be posted on the NJ TSA website on January 10, 2022

OVERVIEW:	No test. No onsite programming challenge. Design problem will be posted on the NJ TSA website on January 10, 2022. The solution to the design problem must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 teams of 2 members per chapter.
TIME LIMITS:	<u>Delete Preliminary Round and Semifinal Round.</u> No test. No on-site challenge. No semifinalists. Design problem will be posted on the NJ TSA website on January 10, 2022. Entries are submitted online. Submission procedures will be shared with advisors.
ATTIRE:	See Pages 6 of this guide for required dress code.
PROCEDURE:	<u>Delete Preliminary Round and Semifinal Round.</u> No test. No on-site challenge. No semifinalists. Design problem will be posted on the NJ TSA website on January 10, 2022. Entries are submitted online by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors. Top three winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	<u>Delete Preliminary Round and Semifinal Round.</u> No test. No on-site challenge. No semifinalists. Design problem will be posted on the NJ TSA website on January 10, 2022. Entries are submitted online by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors. Top three winners announced at Awards Ceremony.
EVALUATION:	<u>Delete Preliminary Round and Semifinal Round.</u> Evaluation criteria will be included in the design problem.

Community Service Video

OVERVIEW:	<p>No change.</p> <p>The video and supporting documentation must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.</p>
ELIGIBILITY:	2 teams of up to 6 members per chapter. Teams of 1 individual are permitted.
TIME LIMITS:	<p>A. Change May 15th to March 30, 2022.</p> <p>B. Email verification will be made upon request.</p>
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p><u>Pre-Conference:</u> C. Entries are due by 11:59pm EST on March 30, 2022. D. Submission information will be provided by NJ TSA. The URL of the video, and PDF of required forms, must be submitted online.</p> <p><u>Preliminary Round:</u> No semifinalists. Winners announced at Awards Ceremony.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No interview. Top three winners announced at Awards Ceremony.</p>
REGULATIONS AND REQUIREMENTS:	<p><u>Pre-Conference:</u> No change.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No interview. Top three winners announced at Awards Ceremony.</p> <p><i>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.)</i> <i>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.).</i></p>
EVALUATION:	<p><u>Preliminary Round:</u> No change.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No interview. Top three winners announced at Awards Ceremony.</p> <p>Evaluation is based on 150 points:</p> <ul style="list-style-type: none"> • Video Production (50) • Video Effectiveness (100)

CAD Foundations

2022 Design Problem will be posted on the NJ TSA website on January 10, 2022

OVERVIEW:	<p>No change.</p> <p>The design problem will be posted on the NJ TSA website on January 10, 2022. The solution must be finished, submitted, and accessible online by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.</p>
ELIGIBILITY:	2 individuals per chapter.
TIME LIMITS:	Delete A.-B. No on site component. The design problem will be posted on the NJ TSA website on January 10, 2022. The solution must be finished, submitted, and accessible online by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p>Delete A.-J. No on site component. The design problem will be posted on the NJ TSA website on January 10, 2022. The solution must be finished, submitted, and accessible online by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors. Solution should be submitted as a PDF document.</p> <p>No finalists. Top three winners will be announced at Awards Ceremony.</p>
REGULATIONS AND REQUIREMENTS:	<p>Delete A.-G. No on site component. The design problem will be posted on the NJ TSA website on January 10, 2022. The solution must be finished, submitted, and accessible online by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors. Solution should be submitted as a PDF document.</p> <p>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 State Conference 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.)</p>
EVALUATION:	<p>A. PDF of design solution must be submitted online. Submission procedures will be shared with advisors.</p> <p>Evaluation is based on 100 points:</p> <ul style="list-style-type: none"> • Layout (70) • Software Utilization (30)

Construction Challenge

OVERVIEW:	<p>No semifinalists. All teams create a presentation highlighting their model/display.</p> <p>The documentation portfolio, and presentation highlighting the model/display, must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.</p>
ELIGIBILITY:	2 teams of up to 6 members per chapter.
TIME LIMITS:	<p><u>Preliminary Round:</u> No change.</p> <p><u>Semifinal Round:</u> All teams create a presentation of up to five (5) minutes in length. No semifinalists. Winners announced at Awards Ceremony.</p>
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p><u>Pre-Conference:</u> No change.</p> <p><u>Preliminary Round:</u> A. Entries are submitted online by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors. A.1.-A.2. The model and display should be highlighted in the recorded presentation. Photos of the model and display may also be included in the documentation portfolio. Judges will need to see images or video, etc. of the model/display in order to evaluate them. The video/presentation may be submitted as a hyperlink or PDF. A.3. The documentation portfolio must be submitted online as a PDF document. Submission procedures will be provided by NJ TSA. B.1.-B.2. Judges score the Model/Prototype, Display, and documentation criteria for all teams. No preliminary contestants, no semifinalists. C. No semifinalists. Winners announced at Awards Ceremony.</p> <p><u>Semifinal Round:</u> A.-D. No semifinalists. No live interview. All teams create a presentation (URL or PDF) up to five (5) minutes in length and submit it online. All team members may participate in the presentation. Submission procedures will be provided by NJ TSA. No finalists. Top three winners announced at Awards Ceremony.</p>
REGULATIONS AND REQUIREMENTS:	<p><u>Pre-Conference:</u> F.1. Documentation portfolio must be submitted online as a PDF document.</p> <p><u>Preliminary Round:</u> A. Documentation portfolio, and URL/PDF of presentation, must be submitted online by 11:59pm on March 30, 2022. Submission procedures will be provided by NJ TSA.</p> <p><u>Semifinal Round:</u> A. No semifinalists. No live interview. All teams create a presentation (URL or PDF) up to five (5) minutes in length and submit it online. All team members may participate in the presentation. Submission procedures will be provided by NJ TSA. No finalists. Top three winners announced at Awards Ceremony.</p>

	<p>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.)</p> <p>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.).</p>
EVALUATION:	<p><u>Preliminary Round:</u> No tiered judging. All teams are evaluated on their involvement in a community project, model/prototype, display, and documentation portfolio.</p> <p><u>Semifinal Round:</u> A. No semifinalists. No live interview. All teams record and submit a presentation.</p> <p>Evaluation is based on 150 points:</p> <ul style="list-style-type: none"> • Model/Display (40) • Documentation Portfolio (60) • Presentation (50)

Cybersecurity

OVERVIEW:	One (1) hour Cybersecurity exam will be taken online. No semifinalists. No presentation. Testing date and procedures will be shared with advisors.
ELIGIBILITY:	2 individuals per chapter.
TIME LIMITS:	<p><u>Preliminary Round:</u> C. No semifinalists. Winners announced at Awards Ceremony.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No presentation. Online exam only.</p>
ATTIRE:	See Page 6 of this guide for required dress code.
REGULATIONS AND REQUIREMENTS:	<p><u>Preliminary Round:</u> B. One hour exam will be taken online. Testing date and procedures will be shared with advisors. C. No semifinalists. No presentation. Winners announced at Awards Ceremony.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No presentation. Online exam only. Top three winners announced at Awards Ceremony.</p>
EVALUATION:	<p><u>Preliminary Round:</u> No change.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No presentation. Online exam only. Top three winners announced at Awards Ceremony.</p> <p>Evaluation is based on 50 points:</p> <ul style="list-style-type: none"> • Test (50)

Data Science and Analytics

2022 Problem Challenge: Use Google Trends Analysis to review and analyze the emerging technology trends (biometrics, cybersecurity, data science, or quantum computing). Analyze keyword(s) using demographic/geospatial, time series, and related query data. If possible, predict the emerging technology trends over the next five years.

OVERVIEW:	<p>No semifinalists. No on-site challenge.</p> <p>The documentation portfolio, and photos or PDF or slides of the physical display, must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.</p>
ELIGIBILITY:	2 teams of 2-3 members per chapter.
TIME LIMITS:	<p><u>Preliminary Round:</u> No presentation.</p> <p><u>Delete Semifinal Round:</u> No semifinalists. No on-site data analysis/synthesis challenge.</p>
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p><u>Pre-Conference:</u> No change.</p> <p><u>Preliminary Round:</u> A.1.-A.2. Documentation portfolio is submitted online as a PDF document. Photos, or PDF, or slides, showing the physical display are also submitted online. It is up to team members how they document the display, however, judges need clear images/footage of the display in order to evaluate it. Entries are due by 11:59pm on March 30, 2022. Submission procedures will be provided by NJ TSA. B.1.-B.2. Judges score the display and documentation criteria for all teams. No preliminary contestants, no semifinalists. C. Winners announced at Awards Ceremony.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No on-site analysis/synthesis challenge. Top three winners will be announced at Awards Ceremony.</p>
REGULATIONS AND REQUIREMENTS:	<p><u>Preliminary Round:</u> C.2. Documentation portfolio must be submitted online as a PDF document. Photos, or PDF, or slides, showing the physical display are also submitted online. It is up to team members how they document the display, however, judges need clear images/footage of the display in order to evaluate it. Entries are due by 11:59pm on March 30, 2022. Submission procedures will be provided by NJ TSA.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No on-site analysis/synthesis challenge. Top three winners will be announced at Awards Ceremony.</p> <p><i>No school or individual names labeled on projects; only State Conference ID#'s are to be used. Upon registering students for the State Conference online, they are automatically assigned a State Conference ID#. This number needs to be on all parts of student projects (i.e. portfolio,</i></p>

	<p><i>display, model, etc.)</i></p> <p><i>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.).</i></p>
EVALUATION:	<p><u>Preliminary Round:</u> No tiered judging. All teams are evaluated on their display, and documentation portfolio.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No on-site analysis/synthesis challenge. Top three winners will be announced at Awards Ceremony.</p> <p>Evaluation is based on 130 points:</p> <ul style="list-style-type: none"> • Display (80) • Documentation Portfolio (60)

Digital Photography

2022 Theme: Challenges – personal, school, family, friends, etc.

Four (4) digital photographs are required for the portfolio.

OVERVIEW:	No semifinalists. No on-site challenge. The digital portfolio must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 individuals per chapter.
TIME LIMITS:	<u>Preliminary Round:</u> A. Change May 15 th to March 30, 2022. B. Email verification will be made upon request. <u>Delete Semifinal Round.</u> No semifinalists. No on-site challenge. Winners announced at Awards Ceremony.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<u>Pre-Conference:</u> C. Digital portfolio must be submitted online as a PDF by 11:59pm EST on March 30, 2022. Submission procedures will be provided by NJ TSA. D. Email verification will be made upon request. <u>Preliminary Round:</u> A. No semifinalists. Winners announced at Awards Ceremony. <u>Delete Semifinal Round.</u> No semifinalists. No on-site challenge. Top three winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	<u>Pre-Conference:</u> D. The digital portfolio must be submitted as a PDF online by 11:59pm EST on March 30, 2022. 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. <i>No school or individual names labeled on projects; only State Conference ID#'s are to be used. Upon registering students for the State Conference 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.)</i>
EVALUATION:	<u>Preliminary Round:</u> No change. <u>Delete Semifinal Round.</u> No semifinalists. No on-site challenge. Top three winners announced at award ceremony Evaluation is based on 60 points: <ul style="list-style-type: none"> • Digital Photographic Portfolio (60)

Electrical Applications

OVERVIEW:	One (1) hour online test only. No semifinalists. No on-site problem or interview. Testing date and procedures will be shared with advisors.
ELIGIBILITY:	2 teams of 2 members per chapter.
TIME LIMITS:	<p><u>Preliminary Round:</u> A. Participants have one (1) hour for the online test.</p> <p><u>Delete Semifinal Round.</u> No on-site problem or interview.</p>
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p><u>Preliminary Round:</u> A.-D. One (1) hour test will be taken online by team members. Team members will take the test individually. Testing date and procedures will be shared with advisors. No semifinalists. No on-site challenge. Online test only. The top three teams with the highest scores will be announced at Awards Ceremony.</p> <p><u>Delete Semifinal Round.</u> No on-site problem or interview. Online test only. Top three winners announced at Awards Ceremony.</p>
REGULATIONS AND REQUIREMENTS:	<p><u>Preliminary Round:</u> A.-C. The test will be taken online. Testing date and procedures will be provided by NJ TSA.</p> <p><u>Delete Semifinal Round.</u> No on-site problem or interview. Online test only. Top three winners announced at Awards Ceremony. Top three winners announced at Awards Ceremony.</p>
EVALUATION:	<p><u>Preliminary Round:</u> No change.</p> <p><u>Delete Semifinal Round.</u> No on-site problem or interview. Online test only. Top three winners announced at Awards Ceremony.</p> <p>Evaluation is based on 50 points:</p> <ul style="list-style-type: none"> • Online test (50 points)

Essays on Technology

2022 Theme: The impact of remote learning on students.

Subtopics:

- Social Skills
- Extracurricular activities
- Athletics

Subtopic will be posted on the NJ TSA website at 5pm on February 24, 2022. All participants submit their detailed outline, including bibliography, and completed essay, online by 5pm on March 1, 2022. Submission procedures will be shared with advisors.

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

OVERVIEW:	No change. The assigned topic will be posted on the NJ TSA website at 5pm on February 24, 2022. Participants must submit their detailed outline, including bibliography, and completed essay, by 5pm on March 1, 2022. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 individuals per chapter.
TIME LIMITS:	<p><u>Preliminary Round:</u> A. The assigned topic will be posted on the NJ TSA website at 5pm on February 24, 2022. Participants must submit their detailed outline, including bibliography, and completed essay, by 5pm on March 1, 2022. Submission procedures will be shared with advisors.</p> <p><u>Semifinal Round:</u> No semifinalists. All participants must submit their detailed outline, including bibliography, and completed essay, by 5pm on March 1, 2022. Submission procedures will be shared with advisors.</p>
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p><u>Pre-Conference:</u> C. No on-site challenge. Students write their outline and essay remotely and submit them online. Note cards may be used by students, but do not need to be submitted.</p> <p><u>Preliminary Round:</u> Creating a Detailed Outline A.-F. The assigned topic will be posted on the NJ TSA website at 5pm on February 24, 2022. Participants must submit their detailed outline, including bibliography, and completed essay, in PDF format, by 5pm on March 1, 2022. Submission procedures will be shared with advisors. No semifinalists. Winners announced at Awards Ceremony.</p> <p><u>Semifinal Round:</u> The Essay The assigned topic will be posted on the NJ TSA website at 5pm on February 24, 2022. Participants must submit their detailed outline, including bibliography, and completed essay, in PDF format, by 5pm on March 1, 2022. Submission procedures will be shared</p>

	with advisors. No finalists. Top three winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	<p><u>Preliminary Round:</u> A.1.-6. Students write their outline remotely and submit it online. Students provide their own materials (note cards, dictionary, etc.). B.1. Outline may be typed. C.-G. Bibliography may be typed. Note card is not to be submitted. Outline is written remotely and submitted online in PDF format. No semifinalists. All participants submit outline and essay. Winners announced at Awards Ceremony.</p> <p><u>Semifinal Round:</u> A.-C. Students write their outline remotely and submit it online. Students provide their own materials (note cards, dictionary, etc.). E. The essay may be typed. It should be submitted in PDF format. Delete F.3. Note card not submitted. G. Change National TSA to NJ TSA.</p>
EVALUATION:	<p><u>Preliminary Round:</u> No change.</p> <p><u>Semifinal Round:</u> No semifinalists. All participants submit outline and essay online.</p> <p>Evaluation is based on 170 points:</p> <ul style="list-style-type: none"> • Detailed Outline (80) • Essay (90)

Forensic Technology

OVERVIEW:	One (1) hour online test only. No semifinalists. No on-site skills challenge or presentation. Testing date and procedures will be shared with advisors.
ELIGIBILITY:	2 teams of 2 members per chapter.
TIME LIMITS:	<p><u>Preliminary Round:</u> No change.</p> <p><u>Delete Semifinal Round.</u> No on-site challenge or demonstration. Online test only. No semifinalists. Winners announced at Awards Ceremony.</p>
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p><u>Preliminary Round:</u> A. One (1) hour test is taken online. Testing date and procedures will be shared with advisors. C.-D. No semifinalists. No on-site problem. Top three teams with the highest averaged scores will be announced at Awards Ceremony.</p> <p><u>Delete Semifinal Round.</u> No on-site challenge or demonstration. Online test only. No semifinalists. Winners announced at Awards Ceremony.</p>
REGULATIONS:	<p><u>Preliminary Round:</u> A. One (1) hour test will be administered online. Testing date and procedures will be provided by NJ TSA. C. Test is taken online. Delete D. No semifinal round. No semifinalists.</p> <p><u>Delete Semifinal Round.</u> No on-site challenge or demonstration. Online test only. No semifinalists. Winners announced at Awards Ceremony.</p>
EVALUATION:	<p><u>Preliminary Round:</u> No change.</p> <p><u>Delete Semifinal Round.</u> No on-site challenge or demonstration. Online test only. No semifinalists. Winners announced at Awards Ceremony..</p> <p>Evaluation is based on 50 points:</p> <ul style="list-style-type: none"> • Online Test (50)

Foundations of Information Technology (FIT)

OVERVIEW:	One (1) hour online test. Testing date and procedures will be shared with advisors.
ELIGIBILITY:	2 individuals per chapter.
ATTIRE:	See Page 6 of this guide for required dress code.
REGULATIONS AND REQUIREMENTS:	C. Top three winners are announced at the Awards Ceremony.
EVALUATION:	<u>Preliminary Round:</u> No change. Evaluation is based on 100 points: <ul style="list-style-type: none">• Test (100)

Inventions and Innovations

2022 Theme: Assistive technology for the elderly

OVERVIEW:	No semifinalists. All teams record an oral presentation. Recorded presentation must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.
ELIGIBILITY:	<u>Preliminary round:</u> 2 teams of 3-6 members per chapter.
TIME LIMITS:	No semifinalists. All teams record and submit an oral presentation of no more than five (5) minutes in length.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p><u>Pre-conference:</u> No change.</p> <p><u>Preliminary Round:</u> A.-C. URL of the presentation must be submitted online by 11:59pm on March 30, 2022. Any team member may participate in video presentation. Presentation should highlight the display and model/prototype, so that they can be evaluated by judges. Submission procedures will be provided by NJ TSA. No semifinalists. Winners are announced at Awards Ceremony.</p> <p><u>Semifinal Round:</u> A.-E. No semifinalists. All teams record and submit a presentation of no more than five (5) minutes in length. URL of the presentation must be submitted online by 11:59pm on March 30, 2022. Any team member may participate in video presentation. Presentation should highlight the display and model/prototype, so that they can be evaluated by judges. Submission procedures will be provided by NJ TSA. No finalists. Winners are announced at Awards Ceremony.</p>
REGULATIONS AND REQUIREMENTS:	<p><u>Pre-conference:</u> No change.</p> <p><u>Preliminary Round:</u> A.-C. URL of the presentation must be submitted online by 11:59pm on March 30, 2022. Any team member may participate in video presentation. Presentation should highlight the display and model/prototype, so that they can be evaluated by judges. Submission procedures will be provided by NJ TSA. No semifinalists. Winners are announced at Awards Ceremony.</p> <p><u>Semifinal Round:</u> A.-E. No semifinalists. All teams record and submit a presentation of no more than five (5) minutes in length. URL of the presentation must be submitted online by 11:59pm on March 30, 2022. Any team member may participate in video presentation. Presentation should highlight the display and model/prototype, so that they can be evaluated by judges. Submission procedures will be provided by NJ TSA. No finalists. Winners are announced at Awards Ceremony.</p>

	<p>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.)</p> <p>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.).</p>
<p>EVALUATION:</p>	<p><u>Preliminary Round:</u> No change.</p> <p><u>Semifinal Round:</u> A. No semifinalists. All teams record and submit presentation.</p> <p>Evaluation is based on 150 points:</p> <ul style="list-style-type: none"> • Interactive Display (80) • Presentation (70)

Junior Solar Sprint

OVERVIEW:	No race. Documentation portfolio (including photos of completed car and display), and demonstration video, must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 teams of 2-4 members per chapter.
TIME LIMITS:	No time trials. Teams record and submit a video demonstration of their car up to five (5) minutes in length. Guidelines below.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p><u>Pre-Conference:</u> No change.</p> <p><u>Preliminary Round:</u> A.-E. PDF of the documentation portfolio (including photos of completed car and display), and URL of the video demonstration must be submitted online by 11:59pm on March 30, 2022. Any team member may participate in video presentation. Documentation portfolio should include photos of the display and car, so that they can be evaluated by judges. No live time trials. Video demonstration only. Submission procedures will be provided by NJ TSA. No semifinalists. Winners are announced at Awards Ceremony.</p> <p><u>Delete Semifinal Round:</u> No semifinalist interview. Top three winners will be announced at Awards Ceremony.</p>
REGULATIONS AND REQUIREMENTS:	<p><u>Pre-Conference:</u> A.1. Documentation portfolio must be submitted in PDF format. Documentation portfolio should include photos of the display and car, so that they can be evaluated by judges. Submission procedures will be provided by NJ TSA.</p> <p><u>Preliminary Round:</u> Delete A.-C. No Time Trials.</p> <p>Please follow the below guidelines for the Video Demonstration:</p> <ol style="list-style-type: none"> 1. Participants create a video demonstrating the functionality of the solar-powered car that can be no more than five (5) minutes in length. 2. Demonstrate that the race lane is 60 cm wide by 20 m long and that the track is a hard, flat surface, such as a tennis court or a smooth surface running track. 3. Demonstrate that the solar-powered car and panel are within the required specifications outlined in the Rules and Regulations. 4. When ready to race the car, place the car with the most forward part of the vehicle set even with the starting line, and all of its wheels in contact with the ground. 5. The solar car's panel should be completely covered by an opaque sheet covering that does not touch the solar panel. 6. The opaque sheet will be removed at the start of the race, allowing the vehicle to collect solar power and start driving. 7. Stopwatch must be visible in the video and race timing must be stopped once the car

	<p>crosses the finish line. 8. Video needs to show the start of the watch, the start of the race, and the car crossing the finish line. 9. The video cannot be modified in any way.</p> <p><u>Delete Semifinal Round.</u> No Semifinalist Racing. No semifinalists. Top three winners will be announced at Awards Ceremony.</p> <p><i>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.)</i> <i>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.).</i></p>
<p>EVALUATION:</p>	<p><u>Preliminary Round:</u> E. No live time trials. Video demonstration only.</p> <p><u>Delete Semifinal Round.</u> No Semifinalists . No interview. Top three winners will be announced at Awards Ceremony.</p> <p>Evaluation is based on 190 points:</p> <ul style="list-style-type: none"> • Display and Model (80) • Documentation Portfolio (50) • Video Demonstration/Race Time (60)

Leadership Strategies

Assigned topic will be posted on the NJ TSA website at 5pm on February 24, 2022. Teams record their presentation, and email it by 5pm on March 1, 2022.

Please note—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:	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:	<p><u>Preliminary Round:</u> A.-I. The assigned topic will be posted on the NJ TSA website at 5pm on February 24, 2022. Students will record their presentation and submit the URL online by 5pm on March 1, 2022. Submission procedures will be provided by NJ TSA.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No finalists. Top three winners announced at Awards Ceremony.</p>
REGULATIONS AND REQUIREMENTS:	C.-E. Presentations is recorded and submitted online. No live presentation.
EVALUATION:	<p>No semifinal round. All teams record and submit a presentation. Winners announced at Awards Ceremony.</p> <p>Evaluation is based on 80 points:</p> <ul style="list-style-type: none"> • Presentation (80)

Mass Production

2022 Design Challenge: Random novelty office desk item

OVERVIEW:	<p>No semifinalists. All teams create a video presentation.</p> <p>The documentation portfolio and video demonstration, must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.</p>
ELIGIBILITY:	2 teams of 3-6 members per chapter.
TIME LIMITS:	A.-C. Teams must record and submit a presentation of no more than five (5) minutes in length. No live presentation/interview.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p><u>Pre-conference:</u> No change.</p> <p><u>Preliminary Round:</u> A.-C. Documentation portfolio, and URL of the video presentation, must be submitted online by 11:59pm on March 30, 2022. Any team member may participate in video presentation. Portfolio must be submitted in PDF format. Submission procedures will be provided by NJ TSA. No semifinalists. Winners are announced at Awards Ceremony.</p> <p><u>Semifinal Round:</u> A.-E. No semifinalists. Teams must record and submit a presentation of no more than five (5) minutes in length. No live presentation/interview. No finalists. Top three winners will be announced at Awards Ceremony.</p>
REGULATIONS AND REQUIREMENTS:	<p><u>Pre-Conference:</u> A.1. Documentation portfolio must be submitted online in PDF format.</p> <p><u>Preliminary Round:</u> A.-B. Documentation portfolio, and URL of the video presentation, must be submitted online by 11:59pm on March 30, 2022. Any team member may participate in video presentation. Portfolio must be submitted in PDF format. Submission procedures will be provided by NJ TSA. No semifinalists. Winners are announced at Awards Ceremony.</p> <p><u>Semifinal Round:</u> A.-E. No semifinalists. Teams must record and submit a presentation of no more than five (5) minutes in length. URL must be submitted online. No live presentation/interview. No finalists. Top three winners will be announced at Awards Ceremony.</p> <p><i>No school or individual names labeled on projects; only State Conference ID#'s are to be used. Upon registering students for the State Conference 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.)</i></p> <p><i>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.).</i></p>
EVALUATION:	<u>Preliminary Round:</u>

No change.

Semifinal Round.

No semifinalists. All teams submit video presentation. No live presentation/interview.

Evaluation is based on 180 points:

- Documentation Portfolio (70)
- Prototype (40)
- Presentation (70)

Mechanical Engineering

2022- Build a Mousetrap Vehicle - Track required distance is 12 feet

OVERVIEW:	<p>No change.</p> <p>The documentation portfolio (including photos of completed vehicle), and video demonstration, must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.</p>
ELIGIBILITY:	2 teams of 2-3 members per chapter.
TIME LIMITS:	B. Entries are submitted online by 11:59pm on March 30, 2022.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p><u>Pre-Conference:</u> No change.</p> <p><u>Preliminary Round:</u> A. 1.-A.3. Documentation portfolio (including photos of completed vehicle), and URL of video demonstration, must be submitted online by 11:59pm on March 30, 2022. Portfolio must be submitted in PDF format. Submission procedures will be provided by NJ TSA. B.-L. No on-site component/race. Teams should record and submit a demonstration of their vehicle traveling on a single lane track (created by tape on a smooth flat floor) that is 5' wide and 12' long. No finalists. All teams are evaluated on their documentation portfolio and video demonstration.</p> <p>Please follow the below guidelines for the video demonstration:</p> <ol style="list-style-type: none"> 1. Participants create a video demonstrating the functionality of the mouse trap vehicle that can be no more than five (5) minutes in length. 2. Demonstrate that the race lane is 5' wide by 12' long and that the track is a smooth, flat, floor. 3. The timing of the vehicle will begin when any part of the vehicle passes over the start line and will end when the vehicle comes to a complete stop. 4. The distance from the start line must be measured, from the point of the vehicle that first passed the start line, to the finish line, or where the vehicle stopped. Distance must be measured in centimeters. 5. The car must steer itself and remain in the lane in which it started. If the car leaves the lane, it will not be scored. 7. Stopwatch must be visible in the video and race timing must be stopped once the car crosses the finish line, or comes to a stop. Time is measured in seconds. 8. Video needs to show the start of the watch, the start of the race, and the car crossing the finish line/stopping. 9. The video cannot be modified in any way.
REGULATIONS AND REQUIREMENTS:	<p><u>Preliminary Round:</u> A. Documentation portfolio must be submitted online as a PDF. Team should include photos of the completed vehicle in their portfolio. Submission procedures will be provided by NJ TSA. B. Test track should be created for the video demonstration with tape on a smooth, flat,</p>

	<p>floor. The single lane track should be 5' wide and 12' long.</p> <p><i>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.)</i></p> <p><i>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.).</i></p>
<p>EVALUATION:</p>	<p><u>Preliminary Round:</u></p> <p>A. Score will be determined from video demonstration attempt. C. A car that leaves its lane will not be scored. D. No live run. Video demonstration only. Delete E. No exit interview.</p> <p><u>Semifinal Round:</u></p> <p>A. No semifinalists. No finalists. All teams are evaluated on their documentation portfolio and score from their video demonstration.</p> <p>Evaluation is based on 100 points:</p> <ul style="list-style-type: none"> • Placement from Video Demonstration (60) • Portfolio Contents (40)

Medical Technology

Theme: DNA genetic testing

OVERVIEW:	<p>No semifinalists. All teams record and submit a presentation highlighting their display and model/prototype.</p> <p>The video presentation, must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.</p>
ELIGIBILITY:	2 teams of up to 6 members per chapter.
TIME LIMITS:	A.-C. No semifinalists. All teams record and submit a presentation up to five (5) minutes in length.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p><u>Pre-Conference:</u> No change.</p> <p><u>Preliminary Round:</u> A.-C. No semifinalists. All teams record and submit a presentation up to five (5) minutes in length.</p> <p><u>Semifinal Round:</u> A.-E. No semifinalists. All teams record and submit a presentation up to five (5) minutes in length. Any team member may participate in the presentation. Presentation should highlight the display and model/prototype, so judges can evaluate them. URL of the video is submitted online by 11:59pm on March 30, 2022. Submission procedures will be shared by NJ TSA. No finalists. Top three winners announced at Awards Ceremony.</p>
REGULATIONS AND REQUIREMENTS:	<p><u>Pre-Conference:</u> D. Display is highlighted in video presentation. No live component.</p> <p><u>Semifinal Round:</u> No semifinalists. All teams record and submit a presentation up to five (5) minutes in length. Any team member may participate in the presentation. Presentation should highlight the display and model/prototype, so judges can evaluate them. URL of the video is submitted online by 11:59pm on March 30, 2022. Submission procedures will be shared by NJ TSA. No finalists. Top three winners announced at Awards Ceremony.</p> <p><i>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.)</i></p> <p><i>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.).</i></p>
EVALUATION:	<p><u>Preliminary Round:</u> No change.</p>

Semifinal Round;

No semifinalists. All teams submit video presentation highlighting their display and model/prototype.

Evaluations will be based on 180 points:

- Display (80)
- Model/Prototype (40)
- Video Presentation (60)

Microcontroller Design

2022 Design Challenge: Design an interactive creature, real or fictional, that includes at least three (3) movements and includes one (1) sensor. Refer to section “F” in General Rules and Regulations.

OVERVIEW:	No change. The documentation portfolio, and video presentation, must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 teams of up to 6 members per chapter. Teams of 1 individual are permitted.
TIME LIMITS:	A.-C. Teams must record a presentation of up to five (5) minutes in length, and submit the URL by 11:59pm on March 30, 2022. Documentation portfolio must also be submitted, in PDF format.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<u>Pre-Conference:</u> C. Presentation is recorded and submitted online. <u>No On-Site Challenge:</u> A.-B. Teams must record a presentation of up to five (5) minutes in length, and submit the URL by 11:59pm on March 30, 2022. Documentation portfolio must also be submitted, in PDF format. Teams must document their device/product in the presentation, so that it can be evaluated by judges. Submission procedures will be provided by NJ TSA. C. Any team member may participate in the recorded presentation. E. No finalists. Winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	<u>Pre-Conference:</u> A.1. The documentation portfolio must be submitted online as a PDF document. Submission procedures will be provided by NJ TSA. <u>No On-Site Challenge:</u> A.1. Teams must record a presentation of up to five (5) minutes in length, and submit the URL by 11:59pm on March 30, 2022. Teams must document their device/product in the presentation, so that it can be evaluated by judges. Any team member may participate in the recorded presentation. Submission procedures will be provided by NJ TSA. A.3.-A.4. No follow up questions. Presentation is recorded and submitted online. B. Change TSA to NJ TSA. <i>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.).</i>
EVALUATION:	No change.

	<p>Evaluation is based on 140 points:</p>
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- Documentation Portfolio (20)
- Device (80)
- Presentation (40)

Off the Grid

2022 Design Challenge: Design a home for a family of three (3) in an economically developing country 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 passive solar system, water collection system, and solve one (1) problem that is specific to the area.

OVERVIEW:	<p>No semifinalists. No presentation/interview.</p> <p>The documentation portfolio, and photos or PDF or slides of the physical display and model, must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.</p>
ELIGIBILITY:	2 teams 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:	<p><u>Pre-Conference:</u> Delete E. No presentation.</p> <p><u>Preliminary Round:</u> A. Documentation portfolio is submitted online as a PDF document. Photos, or PDF, or slides, showing the physical display an model are also submitted online. It is up to team members how they document the display/model, however, judges need clear images/footage of the display/model in order to evaluate them. Entries are due by 11:59pm on March 30, 2022. Submission procedures will be provided by NJ TSA. B.1.-B.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.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No presentation/interview. Top three winners announced at Awards Ceremony.</p>
REGULATIONS AND REQUIREMENTS:	<p><u>Pre-Conference:</u> C.1. Documentation portfolio must be submitted online as a PDF document. Photos, or PDF, or slides, showing the physical display and model are also submitted online. It is up to team members how they document the display and model, however, judges need clear images/footage of the display in order to evaluate it. Entries are due by 11:59pm on March 30, 2022. Submission procedures will be provided by NJ TSA.</p> <p><u>Preliminary Round:</u> A. Documentation portfolio must be submitted online as a PDF document. Photos, or PDF, or slides, showing the physical display and model are also submitted online. It is up to team members how they document the display and model, however, judges need clear images/footage of the display in order to evaluate it. Entries are due by 11:59pm on March 30, 2022. Submission procedures will be provided by NJ TSA.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No presentation/interview. Top three winners announced at Awards</p>

	<p>Ceremony.</p> <p>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.)</p> <p>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.).</p>
<p>EVALUATION:</p>	<p><u>Preliminary Round:</u> No tiered judging. All teams are evaluated on their display, model, and documentation portfolio.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No presentation/interview.</p> <p>Evaluations will be based on 170 points:</p> <ul style="list-style-type: none"> • Display (40) • Model Design (50) • Documentation Portfolio (80)

Prepared Speech

2022 Theme: Discover Your Journey

OVERVIEW:	No change. Video of speech must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.
ELIGIBILITY:	3 individuals per chapter.
TIME LIMITS:	No change.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p><u>Preliminary Round:</u> A.-D. Speech is recorded and submitted online by 11:59pm on March 30, 2022. Participants are responsible for tracking their own time. The speech must be no less than three (3) minutes, and no more than five (5) minutes. No semifinalists. All students record and submit one speech. Winners announced at Awards Ceremony.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. Students record and submit one speech. Top three winners announced at award ceremony.</p>
REGULATIONS AND REQUIREMENTS:	<p><u>Preliminary Round:</u> H. Speech is recorded remotely, not on-site. J.-L. Speech is recorded remotely, not on-site.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. Students record and submit one speech. Top three winners announced at award ceremony.</p>
EVALUATION:	No change. Evaluation is based on 100 points: <ul style="list-style-type: none"> • Content (30) • Stage Presence (30) • Organization (40)

Promotional Marketing

2022 Design Challenge: TSA chapter advisors are attending a fictitious special interest session at the National TSA Conference. They have come to learn about a new piece of STEM equipment for chapter members to use in their classroom that your fictitious company is selling.

Your promotional toolkit needs to include the following three items.

1. **Printable:** Design an 8 ½ X 11 postcard promoting your fictitious company and the new piece of STEM equipment. Postcard may be front and back.
2. **Wearable:** A t-shirt that promotes your company, which can be used as a promotional item to distribute to the TSA chapter advisors (potential clients).
3. **Digital Signage:** Short video (2-2 ½ minutes) to be showed at the special interest session to showcase your fictitious company and the new piece of equipment.

OVERVIEW:	No semifinalists. No on-site problem. Marketing portfolio, and required documentation, must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 individuals per chapter.
TIME LIMITS:	<u>Pre-Conference:</u> A. Change May 15 th to March 30, 2022. C. Email verification will be made upon request. <u>Delete Semifinal Round.</u> No semifinalists. No on-site problem.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<u>Pre-Conference:</u> E. Change May 15 th to March 30, 2022. F. Submission information will be provided by NJ TSA. <u>Preliminary Round:</u> No semifinalists. Winners announced at Awards Ceremony. <u>Delete Semifinal Round.</u> No semifinalists. No on-site problem. Top three winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	<u>Pre-Conference</u> F. Change May 15 th to March 30, 2022. <u>Delete Semifinal Round.</u> No semifinalists. No on-site problem. <i>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.)</i>

EVALUATION:	Delete B. No on-site design challenge. No semifinalists. Evaluation is based on 150 points: <ul style="list-style-type: none">• Print Design (50)• Wearable Design (50)• Digital Signage (50)
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STEM Animation

2022 Theme: The term “big data” refers to data that is so large, fast or complex that it is difficult or impossible to process using traditional methods. The act of accessing and storing large amounts of information for analytics has been around a long time. Visualize the data process and its application in the current IT fields.

OVERVIEW:	No semifinalists. No presentation. Documentation portfolio, and animation video, must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 teams of up to 6 members per chapter.
TIME LIMITS:	<u>Preliminary Round:</u> A. Change May 15 th to March 30, 2022. C. Email verification will be made upon request. <u>Delete Semifinal Round.</u> No semifinalists. No presentation.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<u>Pre-Conference:</u> C. Change May 15 th to March 30, 2022. 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 30, 2022. <u>Preliminary Round:</u> No semifinalists. Winners announced at Awards Ceremony. <u>Delete Semifinal Round.</u> No semifinalists. No presentation. Top three winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	<u>Preliminary Round:</u> No change. <i>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.)</i> <i>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.).</i>
EVALUATION:	<u>Preliminary Round:</u> No change. <u>Delete Semifinal Round.</u> No presentation. No semifinalists.

	<p>Evaluation is based on 80 points:</p>
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- Documentation Portfolio (30)
- Animation (50)

Tech Bowl

OVERVIEW:	All participants will complete an online, objective test. No oral competition. Test only. No semifinalists. Testing date and procedures will be shared with advisors.
ELIGIBILITY:	2 teams of 3 members per chapter.
TIME LIMITS:	<u>Preliminary Round</u> A. One (1) hour test is taken by all team members online. <u>Delete Semifinal Round</u> No semifinalists. No oral competition. Test only.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	Delete ALL. Online testing date and procedures will be shared with advisors. All team members take the exam. No semifinalists. No oral competition. Winners announced at Awards Ceremony.
REGULATIONS:	Delete ALL. Online testing date and procedures will be shared with advisors. All team members take the exam. No semifinalists. No oral competition. Winners announced at Awards Ceremony.
EVALUATION:	Delete ALL. Averaged test scores are used to determine team rankings. No semifinalists. Top three winning teams announced at Awards Ceremony.

Technical Design

The 2022 design problem will be posted on the NJ TSA website at 5pm on February 24, 2022. Teams submit their solution online by 5pm on March 1, 2022. Submission procedures will be shared with advisors.

Please note—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:	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 February 24, 2022. Entries must be submitted online by 5pm on March 1, 2022.
ELIGIBILITY:	2 teams of 2 members per chapter.
TIME LIMITS:	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 February 24, 2022. Entries must be submitted online by 5pm on March 1, 2022.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<p><u>Preliminary Round:</u> 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 February 24, 2022. Entries must be submitted online by 5pm on March 1, 2022. Submission procedures will be provided by NJ TSA.</p>
REGULATIONS AND REQUIREMENTS:	<p><u>Preliminary Round:</u> D.1. The documentation portfolio must be submitted online as a PDF document. Submission procedures will be provided by NJ TSA.</p> <p><i>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.)</i> <i>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.).</i></p>
EVALUATION:	<p>No change.</p> <p>Evaluation is based on 100 points:</p> <ul style="list-style-type: none"> • Solution (100)

Video Game Design

OVERVIEW:	<p>No semifinalists. No on-site interview.</p> <p>The video game, and documentation portfolio, must be finished, submitted, and accessible via the Internet by 11:59pm on March 30, 2022. Submission procedures will be shared with advisors.</p>
ELIGIBILITY:	2 teams of 2-6 members per chapter.
TIME LIMITS:	<p><u>Pre-Conference/Preliminary Round:</u> A. Change submission date from May 15 to March 30, 2022. B. Email verification will be made upon request.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No on-site interview.</p>
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	No change.
REGULATIONS AND REQUIREMENTS:	<p><u>Preliminary Round:</u> D.2. Submission information will be provided by NJ TSA. D.E. Email verification will be made upon request. G. No semifinalists. Winners announced at Awards Ceremony.</p> <p><u>Delete Semifinal Round.</u> No semifinalists. No interview.</p> <p><i>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.)</i> <i>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.).</i></p>
EVALUATION:	<p><u>Preliminary Round:</u> No change.</p> <p><u>Delete Semifinal Round.</u> No semifinalist presentation. No interview.</p> <p>Evaluation is based on 100 points:</p> <ul style="list-style-type: none"> • Video Game Design (80) • Documentation Portfolio (20)

Website Design

2022 Theme: Website for a cultural events venue

Context: Traditionally, cultural events are held in-person. Websites for in-person venues include event information and ticket sales. Due to the global pandemic, venues have had to find new ways to meet their audiences' needs.

Challenge: Develop a website for a cultural events venue that could be virtual only. Strive to develop a website that is interactive, engaging, graphically interesting, and easy to understand and navigate. Advertise the venue to potential customers who want to experience a cultural event through a virtual experience.

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 30, 2022. Submission procedures will be shared with advisors.
ELIGIBILITY:	2 teams of 3-6 members per chapter.
TIME LIMITS:	<u>Pre-Conference/Preliminary Round:</u> A. Change date from May 15 to March 30, 2022. URL must be submitted online. Any required forms must be submitted online in PDF format. Submission procedures will be provided by NJ TSA. B. Email verification will be made upon request. <u>Delete Semifinal Round.</u> No semifinalists. No interview. Winners announced at Awards Ceremony.
ATTIRE:	See Page 6 of this guide for required dress code.
PROCEDURE:	<u>Pre-Conference:</u> C. Change date from May 15 th to March 30, 2022. D. Submission information will be provided by NJ TSA. <u>Preliminary Round:</u> No semifinalists. No interview. Winners announced at Awards Ceremony. <u>Delete Semifinal Round.</u> No semifinalists. No interview. Top three winners announced at Awards Ceremony.
REGULATIONS AND REQUIREMENTS:	<u>Pre-conference/Preliminary Round:</u> I. Change date from May 15 th to March 30, 2022. <u>Delete Semifinal Round.</u> No semifinalists. No interview. Top three winners announced at Awards Ceremony. <i>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'</i>

	<i>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.).</i>
EVALUATION:	<u>Preliminary Round:</u> No change. <u>Delete Semifinal Round.</u> No semifinalist interview. Evaluation based on 90 points: <ul style="list-style-type: none"> • Website (90)