2014 NJ Middle School Supplement

(to the National TSA Conference Competitive Events Guide)

cover by:
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Heritage Middle School
1st Place Promotional Design
2013 State Conference

2013-2014 New Jersey TSA
Executive Committee

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

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Forward

The diverse competitive events that are listed within this booklet are open to TSA chapters affiliated through registration with the New Jersey state office of TSA, completed by January 20, 2014. The Middle School State Conference will be held at The College of New Jersey on Wednesday March 26, 2014.

How this booklet works
The *NJ Supplement* works in conjunction with the National TSA Competitive Events Guide, which you may access online after affiliating with the National TSA Office.

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 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.

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**.

"On-site Events" 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 On-Site Event (and no more than six total events).

"Pre-Conference Events" 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.

"Static Events" 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 better prepared for participation at the State Conference this spring.

Any questions may be directed to Ms. Alison Goeke, NJ TSA State Advisor at (609)771-3244 or goeke2@tcnj.edu or Henry Harms, NJ TSA Competitive Event Coordinator, at harms@tcnj.edu.

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General Rules Governing Competitive Events

I.   MIDDLE SCHOOL EVENTS

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

ON-SITE	PRE-CONFERENCE	STATIC
Challenging Technology Issues 2 teams of 2 members per chapter	Agriculture and Biotechnology Design 3 teams per chapter	
Chapter Team 1 team of 6 members per chapter	Career Prep 2 individuals per chapter	
Construction Challenge 1 team per chapter	Communication Challenge 3 individuals per chapter	
Electrical Applications 2 individuals per chapter	Community Service Video 1 team per chapter	
Environmental Focus 1 team per chapter	Digital Photography 2 individuals per chapter	
Essays on Technology 3 individuals per chapter	Dragster 2 individuals per chapter *Top 16 cars are raced on conference day*	
Flight 2 individuals per chapter	Energy Sources – *New* 1 team per chapter	
Inventions and Innovations 1 team of at least 3 members per chapter	Geospatial Technology – *New* 1 team of 2-5 members per chapter	
Junior Solar Sprint – *New* 1 team per chapter	Go Green Manufacturing 2 teams of 3 per chapter	
Leadership Strategies 1 team of 3 members per chapter	Medical Technology Issues 3 teams of 2 or more members per chapter	
Prepared Speech 2 individuals per chapter	Promotional Design 1 individual per chapter	
Problem Solving 1 team of 2 members per chapter	STEM Animation – *New* 1 team per chapter	
Structural Model 1 team of 2 members per chapter	Technical Design 1 team of 2 individuals per chapter	
Tech Bowl 1 team of 3 members per chapter	Video Game Design 1 team of 2-5 members per chapter	
Water Infrastructure – *New* 1 team per chapter	Website Design 1 team of 3-5 members per chapter	

*Note: System Control Technology has been omitted due to low participation.

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 events</u> 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. Pre-Conference entries mailed must be received by **March 11, 2014.**

       Send to:

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

       Please call (609)771-3244 or email (tsa@tcnj.edu) the NJ TSA office to indicate description/quantity of items being mailed and expected delivery date.

    2. Entries dropped off at the NJ TSA office at The College of New Jersey must be received by **March 11, 2014**. Please call (609)771-3244 or email (tsa@tcnj.edu) the TSA office to arrange time for delivery.

    3. Entries dropped off at the Northern NJ site (NJ TSA Northern Regional Office, 16 Deer Trail Lake Rd., Stockholm, NJ 07460) must be received by **March 10, 2014.** Please call John McConnell at 973-903-1970 or email him at johnsmcconnell@gmail.com to arrange time for delivery.

- 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 on-site event**, and no more than **SIX 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. **No school or individual names labeled on projects** except for <u>Communication Challenge and Community Service Video</u> which require school information. **Otherwise only ID#'s are to be used.** Upon registering students online, they are automatically assigned an ID#. **This number needs to be on student projects.**

E. All video/electronic files (e.g. Video Game Design, Geospatial Technology) become the property of NJ-TSA. Please be sure to make a copy for yourself before project submission.

F. Projects/entries are picked up at the time stated in the conference program and or event display room. 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 those competitive events that require it (e.g. laptops, projectors, etc.).

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 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, unless otherwise noted in rules.

K. No one will be permitted to leave a test event and return unless otherwise instructed by judges.

L. The maximum size of a team is 6 members, unless otherwise designated in a competition's eligibility guideline.

M. 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 Updates and Clarifications 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. *For more info go to: http://www.tsaweb.org/Dress-Code*

NOTE: All students participating at the 2014 National TSA Conference will be required to wear the <u>Official TSA Shirt (royal blue)</u>.

A. Official TSA Attire:
Blazer: navy blue with official TSA patch
Tie: scarlet red imprinted with official TSA logo (for males only)
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. The official NJ TSA or National TSA Polo Shirt may be substituted for a collared shirt/blouse.

Students not wearing official TSA or business-like attire *will lose 20 points from their 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.

All individuals attending the awards ceremony must present their official State Conference ID Badge provided to them at registration. Anyone not in possession of their 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.

VI. AWARDS
TSA Achievement Program
The TSA Achievement Program (bronze, silver, gold awards) is designed to motivate and recognize student members for high effort in a school's technology education program. Bronze, silver, and gold pins will be awarded at the Middle School State Conference. Please provide Alison Goeke (goeke2@tcnj.edu) with a list of any award winners and their Activity Resumes by March 11, 2014.

VII. IMPORTANT DATES AND DEADLINES
January 27, 2014
• State Conference Registration OPENS

March 6, 2014
• Technical Design brief posted at 5pm on NJ TSA website (http://njtsa.pages.tcnj.edu/) (Entries due by 5pm on March 11, 2014.)

March 7, 2014
• Middle School State Conference Registration CLOSES at 5pm (absolutely no changes can be made after this time).

March 10, 2014
• All Pre-Conference entries must be received at the Northern NJ Drop-Off Site.

March 11, 2014
• All Pre-Conference entries must be received at the NJ TSA office.
• Technical Design Submissions must be received by 5pm.

March 26, 2014
• NJ TSA Middle School State Conference, The College of New Jersey

June 27-July 1, 2014
• National TSA Conference, Washington DC (National Harbor, MD)

Level I – Middle School Events

Agriculture and Biotechnology Design
Pre-Conference Event

OVERVIEW:	No change
CHALLENGE:	No change
ELIGIBILITY:	A. 3 teams per chapter B. No Interview
TIME LIMITS	Delete B.
PROCEDURE:	D. Include instructions or photos for display set up if necessary. E. No Semifinalists Delete F-G.
REGULATIONS:	Delete E. ***No school or individual names labeled on projects; only ID#'s are to be used.*** Upon registering students online, they are automatically assigned an ID#. ***This number needs to be on all parts of student projects.***
EVALUATION:	Evaluation will be based on 90 points.

Career Prep
Pre-Conference Event
In 2014 students choose one (1) of these careers:
-Gaming programmer
-Chief information officer
-Electrical engineer
-Web developer

OVERVIEW:	No interview
CHALLENGE:	No finalists No interview
ELIGIBILITY:	2 individuals per chapter
TIME LIMITS	B. Resume and cover letter submitted Pre-Conference. Delete C.
PROCEDURE:	Delete D-F. *Please be sure that submissions have fictitious home contact information, social security number, and telephone number when completing application.*
REGULATIONS:	D. Resume and cover letter are submitted Pre-Conference. Delete E. *Please be sure that submissions have fictitious home contact information, social security number, and telephone number when completing application.*
EVALUATION:	Evaluation is based on 70 points.

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Challenging Technology Issues
On-Site Event

OVERVIEW:	No change
CHALLENGE:	No change
ELIGIBILITY:	2 teams of 2 members per chapter
TIME LIMITS	No change
PROCEDURE:	Delete E-F. No semifinalists
REGULATONS:	No Change
EVALUATION	No Change

Chapter Team
On-Site Event

OVERVIEW:	No change. No semifinals, all teams participate
CHALLENGE:	No change Note: the standard reference for parliamentary procedure is *Robert's Rules of Order, Newly Revised.*
ELIGIBILITY:	1 team of 6 members per chapter
TIME LIMITS	B. No semifinalists. Winners are announced at Awards Ceremony. Time-related penalties apply.
ATTIRE:	**Official TSA Attire** is required for this event. For details, please see pages 6-7 of this document.
PROCEDURE:	C. All teams will make the oral presentation. D. No semifinalists. Winners are announced at Awards Ceremony.
REGULATIONS:	I. Delete the word "Semifinalists"
EVALUATION:	No Semifinalists. All teams participate

Communication Challenge
Pre-Conference Event

OVERVIEW:	No semifinalists
CHALLENGE:	No semifinalists. No onsite problem.
ELIGIBILITY:	3 individuals per chapter
TIME LIMITS	Delete B-C. No semifinalists. Winners are announced at Awards Ceremony. All components submitted Pre-Conference
PROCEDURE:	Delete B-G All entries become the property of NJ TSA
REGULATIONS:	F. Binder is submitted Pre-Conference. Delete G-J
EVALUATION:	Evaluation is based on points earned for portfolio development and final printed product. 100 points.

Community Service Video
Pre-Conference Event

OVERVIEW:	No change.
CHALLENGE:	No change
ELIGIBILITY:	1 team per chapter. Entries may be submitted by individual or group
TIME LIMITS	Maximum length of video two and one half minutes. No minimum length
PROCEDURE:	D. No finalists. Winners will be announced at Awards Ceremony
REGULATIONS:	No change. Video must be submitted on a DVD suitable for viewing on a standalone DVD player.
EVALUATION:	No change.

Construction Challenge
On-Site Event

OVERVIEW:	No semifinalists. Winners announced at Awards Ceremony.
CHALLENGE:	No change
ELIGIBILITY:	1 team per chapter. No semifinalists. All teams participate in interview. 2 representatives per team.
TIME LIMITS	B. No semifinalists. All teams participate in interview.
PROCEDURE:	B-D. No semifinalists. All teams participate in presentation/interview.
REGULATIONS:	No change.
EVALUATION:	No semifinalists. All teams participate in presentation/interview. Based on 100 points.

Digital Photography
Pre-Conference Event
2014 Theme: "Structures"

OVERVIEW:	No semifinalists. Winners announced at Awards Ceremony.
CHALLENGE:	No semifinalists. No on-site task. Winners announced at Awards Ceremony.
ELIGIBILITY:	2 individuals per chapter
TIME LIMITS	Delete B-C.
PROCEDURE:	Delete D-H.
REGULATIONS:	Delete C. No Semifinalist task. ***No school or individual names labeled on projects; only ID#'s are to be used.*** Upon registering students online, they are *automatically assigned an ID#.* ***This number needs to be on student projects.***
EVALUATION:	Evaluation is based on 100. No on-site task.

Dragster
Pre-Conference Event

OVERVIEW:	No change
CHALLENGE:	No change
ELIGIBILITY:	2 individuals per chapter. 1 entry per individual
TIME LIMITS	B. Dragster and drawing submitted Pre-Conference. ***Cars that do not meet specifications will NOT be raced***
PROCEDURE:	Delete A, F (No wind tunnel testing.)
REGULATIONS:	*No change* ***No school or individual names labeled on projects; only ID#'s are to be used.*** *Upon registering students online, they are automatically assigned an ID#.* ***This number needs to be on student projects.***
EVALUATION:	Wind tunnel results eliminated from scoring. ***The top 16 dragsters meeting specifications will be raced in the double elimination bracket at the conference.*** ***Cars not meeting specs WILL BE DISQUALIFIED from competition. Evaluation is based on 105 points.*** ***No school or individual names labeled on projects; only ID#'s are to be used.*** *Upon registering students online, they are automatically assigned an ID#.* ***This number needs to be on student projects.*** ***Place ID# on drawings and directly on dragster. It is recommend ID#'s are placed on bottom or back side of dragster with tape or label.***

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Electrical Applications
On-Site Event

OVERVIEW:	Written test. No on-site problem.
CHALLENGE:	No on-site problem
ELIGIBILITY:	2 individuals per chapter
TIME LIMITS:	B. No on-site problem
PROCEDURE:	C. No semifinalists Delete D-F.
REGULATIONS:	A. Answer sheets and pencils provided. Delete B-F.
EVALUATION:	Evaluation is based on the written test (50 points)

Energy Sources
Pre-Conference Event

OVERVIEW:	No change
CHALLENGE:	No semifinalists. No interview.
ELIGIBILITY:	1 team per chapter B. No semifinalists. No interview. Entries submitted Pre-Conference.
TIME LIMITS	C. No semifinalists. No interview. Entries submitted Pre-Conference.
PROCEDURE:	Delete A-C. Brochure and video are submitted Pre-Conference.
REGULATIONS:	I. No semifinalists. No interview. J. Entries will be retained by NJ TSA. ***No school or individual names labeled on projects; only ID#'s are to be used.*** *Upon registering students online, they are automatically assigned an ID#.* ***This number needs to be on student projects.***
EVALUATION:	Based on 140 points for the brochure and video. No semifinalist interview.

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Environmental Focus
On-Site Event

OVERVIEW:	No change
CHALLENGE:	No change
ELIGIBILITY:	1 team per chapter. No semifinalists. All teams participate in presentation and interview.
TIME LIMITS	B. No semifinalists. All teams participate in presentation and interview.
PROCEDURE:	A-C. No semifinalists. All teams participate in presentation and interview.
REGULATIONS:	D-E. No semifinalists. All teams participate in presentation.
EVALUATION:	No semifinalists. All teams participate in presentation and interview. Winners announced at Awards Ceremony.

Essays on Technology
On-Site Event
2014 Topic: The Greatest Invention(s) of the Modern Technological World
Subtopics: -Communications
-Manufacturing
-Transportation

OVERVIEW:	No change
CHALLENGE:	No change
ELIGIBILITY:	3 individuals per chapter
TIME LIMITS	No change.
PROCEDURE:	C. Paper & Writing Utensils provided Delete H, I & K. J. No finalists. Winners will be announced at Awards Ceremony
REGULATIONS:	C. Pens provided.
EVALUATION:	Evaluation is based on 80 points.

Flight
On-Site Event

OVERVIEW:	No change
CHALLENGE:	No change. Plane built off-site and tested day of conference.
ELIGIBILITY:	2 individuals per chapter. 1 entry per individual.
SAFETY:	Safety glasses are not required for this event.
TIME LIMITS	A. Students bring completed glider to event
PROCEDURE:	Delete C-D. F. No Finalists. Winners are announced at Awards Ceremony.
REGULATIONS:	Delete A-B. E, G. Plane built off-site using specified materials. Catapult provided by NJ TSA.
EVALUATION:	No change

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Geospatial Technology
Pre-Conference Event

OVERVIEW:	No semifinalists. No on-site problem. Notebook submitted Pre-Conference.
PURPOSE	No change
CHALLENGE:	No semifinalists. No interview.
ELIGIBILITY:	1 team of 2-5 members per chapter.
TIME LIMITS	Delete B-C. No semifinalists. No on-site problem. Notebook submitted Pre-Conference.
PROCEDURE:	Delete C-G. No semifinalists. No on-site problem. Notebook submitted Pre-Conference. H. All entries become the property of NJ TSA.
REGULATIONS:	Delete A. Delete C-D. E. Entries become the property of NJ TSA. ***No school or individual names labeled on projects; only ID#'s are to be used.*** *Upon registering students online, they are automatically assigned an ID#.* ***This number needs to be on student projects.***
EVALUATION:	Based on 70 points for the documentation notebook. No semifinalist problem or interview.

Go Green Manufacturing
Pre-Conference Event

OVERVIEW:	No change
CHALLENGE:	No change
ELIGIBILITY:	2 teams of 3 per chapter
TIME LIMITS	No change
PROCEDURE:	B. Entries are submitted Pre-Conference. C-F. No semifinalists. No presentation. Winners are announced at Awards Ceremony.
REGULATIONS:	No change ***No school or individual names labeled on projects; only ID#'s are to be used.*** *Upon registering students online, they are automatically assigned an ID#.* ***This number needs to be on student projects.***
EVALUATION:	Based on 110 points. No semifinalist interview/presentation

Inventions and Innovations
On-Site Event

OVERVIEW:	No change
CHALLENGE:	No semifinalists. All teams will make an oral presentation.
ELIGIBILITY:	1 team of at least 3 members per chapter. 1 entry per team.
TIME LIMITS	No semifinalists. All teams will make an oral presentation 2-5 minutes long including multimedia and 2 minutes for question and answer session
PROCEDURE:	Pre-conference: No change Conference: C-D. No semifinalists. All teams will make an oral presentation. E-F. No semifinalists. Winners announced at Awards Ceremony.
REGULATIONS:	F. No semifinalists. All teams make oral presentation.
EVALUATION:	No semifinalists. All teams make oral presentation. Based on 180 points. Winners announced at Award Ceremony.

Junior Solar Sprint
On-Site Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	1 team per chapter. 1 entry per team.
TIME LIMITS	No change
PROCEDURE:	No change
REGULATIONS:	No change
EVALUATION:	In the event of inclement weather, evaluation will be based on 90 points for the model and documentation (no race).

Leadership Strategies
On-Site Event

OVERVIEW:	No change
CHALLENGE:	No change
ELIGIBILITY:	1 team of 3 members per chapter
TIME LIMITS	B-C. No semifinalists. All teams make a presentation.
PROCEDURE:	Delete H-J. No semifinalists. All teams make a presentation.
REGULATIONS:	E. No semifinalists. All teams make a presentation.
EVALUATION:	No change

Medical Technology Issues
Pre-Conference Event

OVERVIEW:	No change
CHALLENGE:	No change
ELIGIBILITY:	3 teams of 2 or more members per chapter No semifinalists. No presentation. Pre-Conference event.
TIME LIMITS	Delete B.
PROCEDURE:	Delete C-F. No semifinalists. No presentation.
REGULATIONS:	Delete E. No presentation. ***No school or individual names labeled on projects; only ID#'s are to be used.*** *Upon registering students online, they are automatically assigned an ID#.* ***This number needs to be on student projects.***
EVALUATION:	Evaluations will be based on 110 points for documentation and display.

Prepared Speech
On-Site Event
2014 Theme: "The Spirit of Innovation"

OVERVIEW:	No change
CHALLENGE:	No change
ELIGIBILITY:	2 individuals per chapter
TIME LIMITS	No change
PROCEDURE:	C. No semifinalists. All students make speech. Delete E-G. No semifinalists. Winners announced at Awards Ceremony.
REGULATIONS:	No change
EVALUATION:	No change

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Problem Solving
On-Site Event

OVERVIEW:	No change
CHALLENGE:	No change
ELIGIBILITY:	1 team of 2 members per chapter
TIME LIMITS	Change time from 2 to 1.5 hours.
PROCEDURE:	C-F. All equipment/materials provided by NJ TSA H. No finalists. Winners announced at Awards Ceremony.
REGULATIONS:	Delete B-C. All equipment/materials provided by NJ TSA
EVALUATION:	Will be based on a scoring guide provided at the event.

Promotional Design
Pre-Conference Event

OVERVIEW:	No change
CHALLENGE:	No change
ELIGIBILITY:	1 individual per chapter
TIME LIMITS	No change
PROCEDURE:	A. Entries are to be submitted Pre-Conference via email no later than midnight March 11, 2014 to tsachall@tcnj.edu. Email verification of each entry will be made upon receipt. C. No finalists. Winners announced at Awards Ceremony
REGULATIONS:	B. Entries are to be submitted to tsachall@tcnj.edu no later than midnight EST March 11, 2014. F. All entries become the property of NJ TSA.
EVALUATION:	No change

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STEM Animation
Pre-Conference Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	1 team per chapter. 1 entry per team.
TIME LIMITS	Delete D. No semifinalists. No presentation. Entries submitted Pre-Conference.
PROCEDURE:	Delete B-D. No semifinalists. No presentation. Winners are announced at Awards Ceremony.
REGULATIONS:	Delete E. No presentation. H. Entries become the property of NJ TSA. ***No school or individual names labeled on projects; only ID#'s are to be used.*** *Upon registering students online, they are automatically assigned an ID#.* ***This number needs to be on student projects.***
EVALUATION:	Based on 80 points for the notebook and animation. No semifinalist interview/presentation.

Structural Model
On-Site Event

OVERVIEW:	No change
CHALLENGE:	No change
ELIGIBILITY:	1 team of 2 members per chapter
SAFETY:	No change
TIME LIMITS	No change
PROCEDURE:	H. No finalists. Winners announced at Awards Ceremony.
REGULATIONS:	No change
EVALUATION:	No change.

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Tech Bowl
On-Site Event

OVERVIEW:	All participants will complete a written exam and then participate in the oral event.
CHALLENGE:	No change
ELIGIBILITY:	1 team of 3 members per chapter participate in written and oral part of event
TIME LIMITS	A. 45 minutes B. All teams will participate in the oral competition.
PROCEDURE:	Follow procedures listed below. Do not refer to the *TSA Competitive Events Guide.* A. Following the written test, 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. **B. No audience members are permitted into the oral event area.** C. When instructed to do so, two (2) teams will enter the event area and be seated according to instructions. D. When a team has been defeated in any round of the oral event, the team is out of the competition. E. Questions will be drawn, as needed, from a card file resource bank. F. 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 question 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. G. 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.

H. <u>Bonus Question</u> 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 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.

I. A panel of evaluators will be available to respond to questions concerning acceptable answers.

1. Rulings on acceptable answers will be made only during the round in question.
2. Rulings will be made immediately, to do one of the following:
   a. Accept only the answers listed on the card.
   b. Accept the student's answer and renew points, or remove the question and read another in its place.
   c. The rulings of the panel will be final.

REGULATIONS:	<u>Follow procedures listed below. Do not refer to the *TSA Competitive Events Guide.*</u>
	A. No transmitting or recording devices will be permitted in the event area. No prompting will be permitted.
	B. The team member who "buzzes in" will have five (5) seconds to answer the question, without discussion.
	C. The team that answers the bonus question will be allowed ten (10) seconds to discuss the extra question and give an answer.
	D. After a question is read, the competing teams will have ten (10) seconds to answer. If neither team can answer the question, then another question will be read.
	E. If a team member "buzzes in" before a question is finished being read, that member must give the exact answer as printed on the card.

EVALUATION:	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

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Technical Design
Pre-Conference Event

OVERVIEW:	No change
CHALLENGE:	No change
ELIGIBILITY:	1 team of 2 individuals per chapter
TIME LIMITS	Participants will be allowed 2 (school) days to solve the engineering design problem.
PROCEDURE:	A. The design problem will be posted on the NJ TSA website on March 6, 2014 at 5pm. Entries must be received in the NJ TSA Office by 5pm on March 11, 2014.
REGULATIONS:	No change
EVALUATION:	No change

Video Game Design
Pre-Conference Event

OVERVIEW:	No change. Game must be working, interactive and submitted on DVD
CHALLENGE:	No change
ELIGIBILITY:	1 team of 2-5 members per chapter. No semifinalists. No interviews. Entries submitted Pre-Conference.
TIME LIMITS	No change.
PROCEDURE:	Delete B-D. No semifinalists. No interviews. Winners announced at Awards Ceremony.
REGULATIONS:	No change
EVALUATION:	Based on 100 points. No finalist interviews.

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Water Infrastructure
On-Site Event
2014 Theme: "Water efficiency for new home construction"

OVERVIEW:	No change
CHALLENGE:	No change
ELIGIBILITY:	1 team per chapter B. No semifinalists. All teams participate in presentation/interview.
TIME LIMITS	B. No semifinalists. All teams participate in presentation/interview.
PROCEDURE:	E-G. No semifinalists. All teams participate in presentation/interview.
REGULATIONS:	D-E. No semifinalists. All teams participate in presentation/interview. E. Laptop and projector will be provided by NJ TSA.
EVALUATION:	Based on 120 points. No semifinalists. All teams participate in presentation/interview.

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Website Design
Pre-Conference Event

OVERVIEW:	No semifinalist interview
CHALLENGE:	No change
ELIGIBILITY:	1 team of 3-5 members per chapter. 1 entry per chapter. No semifinalists. No interview. Entries are submitted Pre-Conference.
TIME LIMITS	A-B. Change date from May 15 to March 11, 2014. URL must be emailed to tsachall@tcnj.edu by 12 midnight EDT March 11, 2014. Email verification of each team's entry will be made upon receipt of URL. URL must be emailed. Web files on a CD will not be accepted. Delete C. No semifinalists. No interview.
PROCEDURE:	A. **Participants obtain the event design brief from the national TSA website at http://www.tsaweb.org/Themes-and-Problems (Criteria for the middle school and high school events are different.)** B. Send any questions to goeke2@tcnj.edu or harms@tcnj.edu. D. Entries are evaluated prior to the State Conference. Delete E-G. No semifinalists. No interview.
REGULATIONS:	G. No interview.
EVALUATION:	Delete B. No interview. Evaluation based on 100 points. URL's MUST be emailed to Alison Goeke, State Advisor, (tsachall@tcnj.edu) by 12 midnight EDT March 11, 2014. All emails will be time stamped and serve as proof of submitting project on time.

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