



OVERVIEW

Students demonstrate their knowledge of TSA and concepts addressed in the technology content standards by completing a written objective test; semifinalist teams participate in a question/response, head-to-head competition.

ELIGIBILITY

One (1) team of three (3) members per chapter may participate. Teams that take the written test and advance to the semifinalist portion of the event must be comprised of the same three (3) members.

TIME LIMITS

Preliminary Round:

1. The written test is administered at the same time to all students entering this event.
2. One (1) hour is allowed for this test.

Semifinal Round: Teams selected as semifinalists must be available as scheduled for oral competition.

LEAP

An individual or team LEAP Response is required for this event and must be submitted at event check-in (see LEAP Program).

ATTIRE

TSA competition attire is required.

PROCEDURE

Preliminary Round

1. Participants report to the event area at the time and place stated in the conference program and submit a LEAP Response.
2. Participants follow the specific regulations and adhere to the directions provided on site by the event coordinator.
3. Each team is assigned a number by the event coordinator. This number establishes the initial order of participation in the oral portion of the event.
4. All team members take the written exam.
5. The sixteen (16) top-scoring teams qualify as semifinalists.
6. A list of semifinalists (in random order) will be posted.

Semifinal Round

1. Semifinalist team members and their advisor report to the oral event area holding room at the time and place stated in the conference program.
2. After a short briefing, advisors leave and the teams remain in the holding room until they are called for competition.



3. When instructed to do so, two (2) teams enter the event area and are seated according to instructions.
4. Teams are paired using the semifinalist teams' bracket.
5. Questions are drawn from a card file resource bank.
6. If equipment malfunctions, a question that is being considered at that time automatically is eliminated. If equipment malfunctions three (3) times, time is called by the event coordinator to set up back-up equipment. After equipment has been set up and tested, the event continues from the point where it stopped.
7. Once a team is eliminated, the team is out of the oral competition except for the round in which the third and fourth positions are determined.
8. The LEAP Response will be judged for semifinalists.
9. The top ten (10) finalist teams will be announced at the awards ceremony.

REGULATIONS

Preliminary Round/Written Exam

- A. Scan-type forms are furnished by the event coordinator.
- B. Student identification numbers must be entered on the scan form in the space indicated.
- C. Participants must stop work immediately when time is called.
- D. Should a participant complete the test during the time allocated, the participant The participant will then follow check out procedures as directed by the event coordinator. *Failure to do so results in disqualification of the participant.*
- E. All tests must be turned in before leaving the test area.
- F. The average of the scores of all three (3) team members determines team ranking.

Semifinal Round/Oral Competition

- A. Sixteen (16) teams, based upon the written test results, are selected as semifinalists.
- B. All three (3) members of a semifinalist team must be available to participate at the scheduled time for the oral competition portion of the event.
- C. If a team or member is late for participation, that team forfeits and is eliminated from competition.
- D. No transmitting or recording devices are permitted to assist in answering a question in the event area.
- E. No prompting is permitted.
- F. Teams are asked twelve (12) questions one of which is a bonus question.
 1. The questions will be selected by the coordinator and manager of the event.
 2. The last question of every round is the bonus question.
 3. Questions, to include the bonus question, may not be discussed by teams.
 4. If a team answers the bonus question correctly, they are given an additional question to answer. The team may discuss this question.
 5. If the bonus question is not answered correctly, participants are not give an additional question.
 6. The team member who "buzzes in" to answer a question has five (5) seconds to answer the question without discussion.
 7. After a question is read, competing teams have ten (10) seconds to answer. If neither team can answer the question, then another question is read.



8. If a team member buzzes in before a question is finished being read, the reader ceases reading and the team member must give the exact answer as printed on the answer card.
 9. If a member buzzes in prior to the reader completing the question, the reader stops reading, and the member must answer the question completely and correctly.
 10. If the answer is incorrect, the reader will read the entire question for the opposing team.
- G. Teams that leave the holding room before being called for competition are eliminated.
- H. Teams may visit with other teams in the holding room.
- I. No advisors or visitors may enter the holding room.
- J. Team members may not enter the oral event area as spectators until after their team has been entirely eliminated from competition.
- K. The LEAP Response:
1. Teams document the leadership skills the team has developed and demonstrated while working on this event, and on a non-competitive event leadership experience.
 2. Find the specific LEAP Response regulations in the LEAP Program section of this guide, and on the [TSA website](#).

EVALUATION

- A. Preliminary round/written exam: Scores on a test of fifty (50) multiple choice questions will
1. Determine the individual winners of the written exam.
 2. Determine the semifinalist teams for the oral competition portion of the event.
- B. Semifinal round/oral competition: A team's score is derived from the total number of correct answers to the questions asked.
1. For each correct answer, the team receives ten (10) points.
 2. Twelve (12) questions are asked per round; no questions are repeated in another round.
 3. In case of a tie, three (3) additional questions and bonus questions are asked.
 - a. If a tie exists after the first tiebreaker round, then three (3) additional questions and bonus questions are asked.
 - b. This procedure continues until the tie is broken.
 4. A correct answer will give the team ten (10) points, and an incorrect answer will result in a loss of five (5) points.
 5. Bonus questions are worth fifteen (15) points.
- C. The content and quality of the LEAP Response is evaluated for semifinalists only.
- D. Awards: first-place, second-place, and third-place awards are made for both the written and oral competition portions of the event.

Refer to the official rating form for more information.

STEM INTEGRATION

This event has connections to the STEM areas of Science, Technology, Engineering, and Mathematics.



CAREERS RELATED TO THIS EVENT

This competition has connections to one or more of the careers below:

- Computer technician
- Construction analyst
- Engineer
- Entrepreneur
- Technology education instructor



TECH BOWL

EVENT COORDINATOR INSTRUCTIONS

PERSONNEL

- A. Event coordinator
- B. Timer for written exam, one (1)
- C. Proctors for written exam, four (4)
- D. Timekeeper for oral competition, one (1)
- E. Scorekeeper for oral competition, one (1)
- F. Moderator for oral competition, one (1)
- G. Judges, for semifinal LEAP Response evaluation, two (2)
- H. Assistants for oral competition, two (2)

MATERIALS

- A. Coordinator's packet, containing:
 - 1. Event guidelines, one (1) copy for the coordinator and each judge
 - 2. TSA Event Coordinator Report
 - 3. List of event judges/assistants
 - 4. Copies of the written test (coded A or B), one (1) for each participant (these tests must be returned immediately following the event)
 - 5. Results envelope with coordinator forms
- B. Written test
 - 1. Stopwatch for timekeeper
 - 2. Tables and chairs or tablet armchairs to accommodate all participants
 - 3. Scan machine and forms
- C. Oral competition
 - 1. Table and chairs for the event judges
 - 2. Two (2) tables and six (6) chairs for the event team, facing the moderator and audience
 - 3. Tech Bowl bracket
 - 4. List of chapters for the event
 - 5. Buzzer system and controls
 - 6. A printed sign (to be placed outside the oral competition room) stating that no filming, taking of photos, or use of any electronic recording devices will be allowed in the competition room
 - 7. Stopwatch for timekeeper
 - 8. 5" x 8" question cards selected from the technology bowl test bank, with questions and the acceptable answer(s) clearly typed

RESPONSIBILITIES

- A. At the conference:
 - 1. Attend the mandatory coordinator's meeting at the designated time and location.
 - 2. Report to the CRC room and obtain the coordinator's packet; check the contents.



3. Review the event guidelines and check to see that enough judges/assistants have been scheduled.
 4. Inspect the area(s) in which the event is to be held for appropriate set-up, including room size, chairs, tables, outlets, etc. Notify the event manager of any potential problems.
 5. At least one (1) hour before the event is scheduled to begin, meet with judges/assistants to review time limits, procedures, and regulations. If questions arise that cannot be answered, speak to the event manager before the event begins.
- B. Preliminary Round/Written Exam:
1. Begin the event at the scheduled time by closing the doors and checking the entry list.
 2. All participants and event judges should be in the room at this time.
 3. In order to compete, participants must be on the entry list or must have approval of the CRC.
 4. Distribute the scan forms to the participants.
 - a. Direct participants to fill in their student identification number and test code letter in the appropriate spaces.
 - b. Provide an opportunity for any questions about the scan form.
 5. Pass out the written test with the help of the proctors (tests are coded A or B).
 - a. Participants seated next to each other should not have the same coded test; tests should be alternated A, B, A, B, and so on.
 - b. Instruct the participants to keep the tests face down until they are directed to turn them over and begin.
 6. Acting as the timer and with proctors positioned around the event room, direct the participants to turn their test over, place their code number and the code letter found on the test on their scan form, and begin.
 7. Exactly one (1) hour from the time that the participants begin the test, call time.
 - a. Direct students to check out with a test proctor once they are finished with their test.
 - b. Proctors should collect all tests and then students should immediately leave the testing room.
 - c. If a line forms students must remain completely silent. Any talking will result in a zero score for their test.
 8. Determine the individual winners of the written exam.
 9. Decisions about rules violations must be discussed and verified with the judges, event coordinator, and CRC manager to determine either
 - to deduct twenty percent (20%) of the total possible points in this round or
 - to disqualify the entry
 - The event coordinator, judges and CRC manager must all initial either of these actions on the rating form.
 10. Determine the ten (10) finalists for the individual awards.
 11. Determine the sixteen (16) semifinalist teams based on team members averaged score on the written test.
 12. Prepare a list of the sixteen (16) semifinalist teams and submit it to the CRC for posting.
- C. Semifinal Round/Oral Competition:
1. Run the oral component of the event as described in the Procedure section.
 2. Determine the ten (10) finalists. Judges discuss and break any ties that affect the top three (3) placements.
 3. Decisions about rules violations must be discussed and verified with the judges, event coordinator, and CRC manager to determine either



- to deduct twenty percent (20%) of the total possible points in this round or
 - to disqualify the entry
 - The event coordinator, judges and CRC manager must all initial either of these actions on the rating form.
4. Submit the finalist results including a ranking of the ten (10) finalists, and all related forms in the results envelope to the CRC room.



TECH BOWL

2018 & 2019 OFFICIAL RATING FORM

MIDDLE SCHOOL

Go/No Go Specifications

Before judging the entry, ensure that the items below are present; indicate presence with a check mark in the box. If an item is missing, leave the box blank and place a check mark in the box labeled ENTRY NOT EVALUATED. This will disqualify the entry and it will not be judged.

- Completed LEAP Response is present
- ENTRY NOT EVALUATED

Competition round # _____	Scorekeeper's signature: _____
Team # _____ (A) Team # _____ (B)	_____

Written Test (50 points)

Record the written test scores of each of the three (3) team members (for team A and B) in the boxes below and then calculate the team average. Record the team average in the column space to the right.

Team member 1	(A)	(B)	Team member 2	(A)	(B)	Team member 3	(A)	(B)
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WRITTEN TEST SUBTOTAL (50 points)

Rules violations (a deduction of 20% of the total possible points) must be initiated by the evaluator, coordinator and manager of the event. Record the deduction in the space to the right.

Indicate the rule violated: _____

PRELIMINARY SUBTOTAL (50 points)

Semifinal Round (Oral Competition and LEAP Response)

Mark an X in the box beside the team that gives the correct response to the question and an O beside the team that gives an incorrect response. Record the scores for each response in the column to the right.

Question #	Points				
1	+10 for correct, -5 for incorrect response	Team # _____	Team # _____		
2	+10 for correct, -5 for incorrect response				
3	+10 for correct, -5 for incorrect response				
4	+10 for correct, -5 for incorrect response				
5	+10 for correct, -5 for incorrect response				
6	+10 for correct, -5 for incorrect response				
7	+10 for correct, -5 for incorrect response				
8	+10 for correct, -5 for incorrect response				
9	+10 for correct, -5 for incorrect response				
10	+10 for correct, -5 for incorrect response				
11	+10 for correct, -5 for incorrect response				
Bonus question	+15 for correct, -5 for incorrect response				
Additional question	(+5 points for answering correctly)				

Record scores in the column spaces below.

Team A Average	Team B Average



ORAL COMPETITION SUBTOTAL					
Tie Breaker Questions					
1		Team #		Team #	
2		Team #		Team #	
3		Team #		Team #	
SUBTOTAL					
Semifinal LEAP Response (14 points)					
CRITERIA	Minimal performance 1-4 points	Adequate performance 5-8 points	Exemplary performance 9-10 points		
LEAP (10% of the total event points)	The team's efforts are not clearly communicated, lack detail, and are unconvincing; few, if any, attempts are made to identify and incorporate the SLC Practices.	The team's efforts are adequately communicated, include some detail, are clear, and are generally convincing; identification and incorporation of the SLC Practices are satisfactory.	The team's efforts are clearly communicated, fully-detailed, and convincing; identification and incorporation of the SLC Practices are excellent.		
SEMIFINAL LEAP RESPONSE SUBTOTAL (14 points)					
Rules violations (a deduction of 20% of the total possible points) must be initiated by the evaluator, coordinator and manager of the event. Record the deduction in the space to the right.					
Indicate the rule violated: _____					
SEMIFINAL SUBTOTAL (14 points)					
(To arrive at the TOTAL score, add the PRELIMINARY SUBTOTAL and the SEMIFINAL SUBTOTAL.)					TOTAL (154 points)

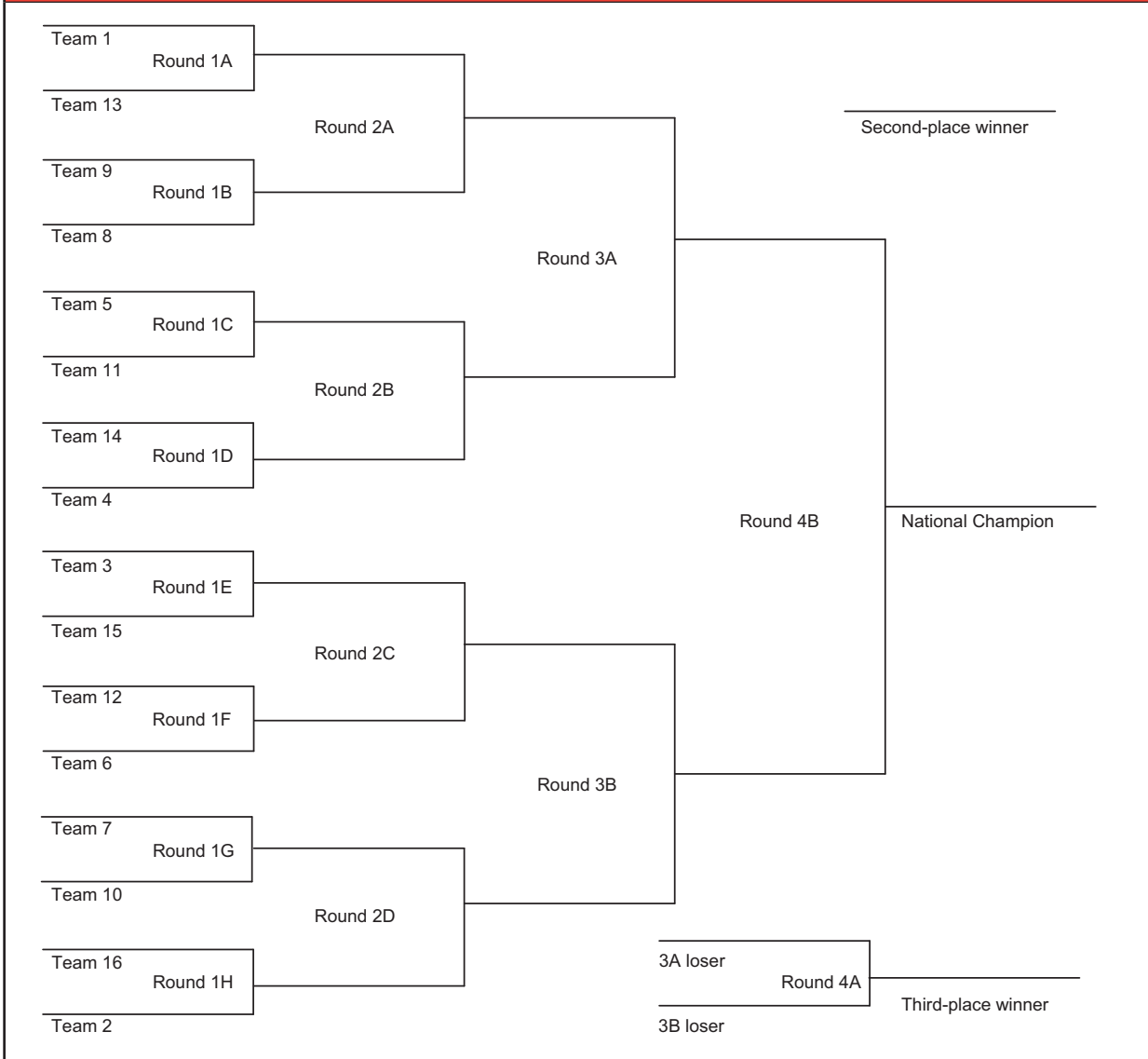
Comments:
I certify these results to be true and accurate to the best of my knowledge.
<u>Evaluator</u> Printed name: _____ Signature: _____



TECH BOWL

SEMIFINALIST TEAMS BRACKET

MIDDLE SCHOOL



Note to evaluators: This is a single elimination format (semifinalist teams ONLY).

Team 1		Team 9	
Team 2		Team 10	
Team 3		Team 11	
Team 4		Team 12	
Team 5		Team 13	
Team 6		Team 14	
Team 7		Team 15	
Team 8		Team 16	