

OVERVIEW

Applying leadership and 21st century skills, participants demonstrate their knowledge of TSA and concepts addressed in the technology content standards by completing an objective test. Semifinalist teams demonstrate leadership and twenty first century skills through participating in a question/response, head-to-head team competition.

ELIGIBILITY

One (1) team of three (3) individuals per chapter may participate.

Teams that take the test and advance to the semifinalist portion of the event must be comprised of the same three (3) members.

TIME LIMITS

PRELIMINARY ROUND

- A. The one (1)-hour test is administered to all members of the team at the same time.

SEMIFINAL ROUND

- A. Teams selected as semifinalists must be available as scheduled for oral competition.

ATTIRE

TSA competition attire is required for this event.

PROCEDURE

PRELIMINARY ROUND

- A. Participants report to the event area at the time and place stated in the conference program for the test.
- B. Participants follow the specific regulations and adhere to the directions provided on-site by the event coordinator.
- C. 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.
- D. All team members take the exam.
- E. The sixteen (16) top-scoring teams qualify as semifinalists.
- F. A semifinalist list (in random order) is posted.

SEMIFINAL ROUND

- A. Semifinalist team members report to the oral event area holding room at the time and place stated in the conference program.
- B. After a short briefing, advisors leave and the teams remain in the holding room until they are called for competition.
- C. When instructed to do so, two (2) teams enter the event area and are seated according to instructions.
- D. Teams are paired using the semifinalist teams' bracket.
- E. Questions are drawn from a card file resource bank.
- F. 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.
- G. Once a team is eliminated, it is out of the oral competition except for the round in which the third and fourth positions are determined.
- H. The top ten (10) finalist teams are announced during the conference awards ceremony.

REGULATIONS AND REQUIREMENTS

Students will work to develop their leadership and 21st century skills in the process of preparing for and participating in this TSA competitive event. The development and application of those skills must be evident in their submission, demonstration, and/or communication pertaining to the entry.

PRELIMINARY ROUND

- A. Tests may be administered online or via a scan-type answer sheet. Please review the Competition Updates page on the [TSA website](#).
- B. Scan-type forms are furnished by the event coordinator, if applicable.
- C. Participants are responsible for bringing two (2) sharpened No.2 pencils to the test site.

- D. Participant identification numbers must be entered on the scan form in the space indicated.
- E. Failure to follow instructions will result in the score sheet not being scored.
- F. Participants must stop work immediately when time is called.
- G. Should a participant complete the test before the time is allocated, the participant holds the test and remains seated quietly without distracting others. Failure to do so results in disqualification of the participant.
- H. All tests must be turned in before leaving the test area.
- I. 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 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 that leave the holding room before being called for competition are eliminated.
- G. Teams may visit with other teams in the holding room.
- H. No advisors or visitors may enter the holding room.
- I. Team members may not enter the oral event area as spectators until after their team has been entirely eliminated from competition.
- J. A team's score is derived from the total number of correct answers to the questions asked:
 - 1. Twelve (12) questions are asked per round; no questions are repeated in another round.
 - 2. A correct answer gives the team ten (10) points, and an incorrect answer results in a loss of five (5) points.

- 3. The team member who "buzzes in" to answer a question has five (5) seconds to answer the question without discussion.
- 4. After a question is read, competing teams have ten (10) seconds to answer. If neither team buzzes in, the reader moves to the next question.
- 5. 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.
- 6. If the answer is incorrect, the reader reads the entire question for the opposing team.
- 7. In case of a tie, three (3) additional questions and bonus questions are asked.
- 8. If a tie exists after the first tiebreaker round, then three (3) additional questions and bonus questions are asked.
- 9. This procedure continues until the tie is broken.
- 10. The last question of every round is a bonus question that is worth fifteen (15) points,
- 11. Questions, to include the bonus question, may not be discussed by teams.
- 12. If a team answers the bonus question correctly, the team is given an additional question to answer. The team may discuss this question.
- 13. If the bonus question is not answered correctly, participants are not given an additional question.
- 14. The highest test scores are used to determine the additional two (2) finalists who were eliminated in the initial round of the oral competition.

EVALUATION

PRELIMINARY ROUND

- A. Averaged test scores are used to determine the sixteen (16) semifinalist teams.

SEMIFINAL ROUND

- A. Performance during the oral competition

Refer to the official rating form for more information.

STEM INTEGRATION

This event aligns with the STEM (Science, Technology, Engineering, and Mathematics) educational standards.

LEADERSHIP AND 21ST CENTURY SKILLS DEVELOPMENT

This event provides opportunity for students to build and develop leadership and 21st century skills including but not limited to:

- Communication
- Collaboration/Social Skills
- Initiative
- Problem Solving/Risk Taking
- Critical Thinking
- Perseverance/Grit
- Creativity
- Relationship Building/Teamwork
- Dependability/Integrity
- Flexibility/Adaptability

TECHNOLOGY BOWL

2021 & 2022 OFFICIAL RATING FORM

HIGH SCHOOL

Competition Round ID# _____

Team # _____ (A) Team # _____ (B)

Scorekeeper's Signature _____

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 next to the item blank and place a check mark in the box labeled ENTRY NOT EVALUATED.
- If a check mark is placed in the ENTRY NOT EVALUATED box, the entry is not to be judged.

☐ ENTRY NOT EVALUATED

TEST (50 points)									Team A Average	Team B Average
Record the test scores of each of the three (3) team members (for team A and B) in the boxes below to determine 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)		
TEST SUBTOTAL (50 points)										
Rules violations (a deduction of 20% of the total possible points for the above sections) must be initialed by the judge, coordinator, and manager of the event. Record the deduction in the space to the right. Indicate the rule violated: _____										
PRELIMINARY SUBTOTAL (50 points)										

TECHNOLOGY BOWL

2021 & 2022 OFFICIAL RATING FORM

HIGH SCHOOL

Competition Round ID# _____

Team # _____ (A) Team # _____ (B)

Scorekeeper's Signature _____

SEMIFINAL ROUND – ORAL COMPETITION						Team A Average	Team B Average
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						
12. Bonus question	(+15 for answering the bonus question correctly; no penalty for answering the bonus question incorrectly)						
Additional question	(+5 for answering the additional question correctly; no penalty for answering the additional question incorrectly)						
ORAL COMPETITION (130 points)							

TECHNOLOGY BOWL

2021 & 2022 OFFICIAL RATING FORM

HIGH SCHOOL

Competition Round ID# _____

Team # _____ (A) Team # _____ (B)

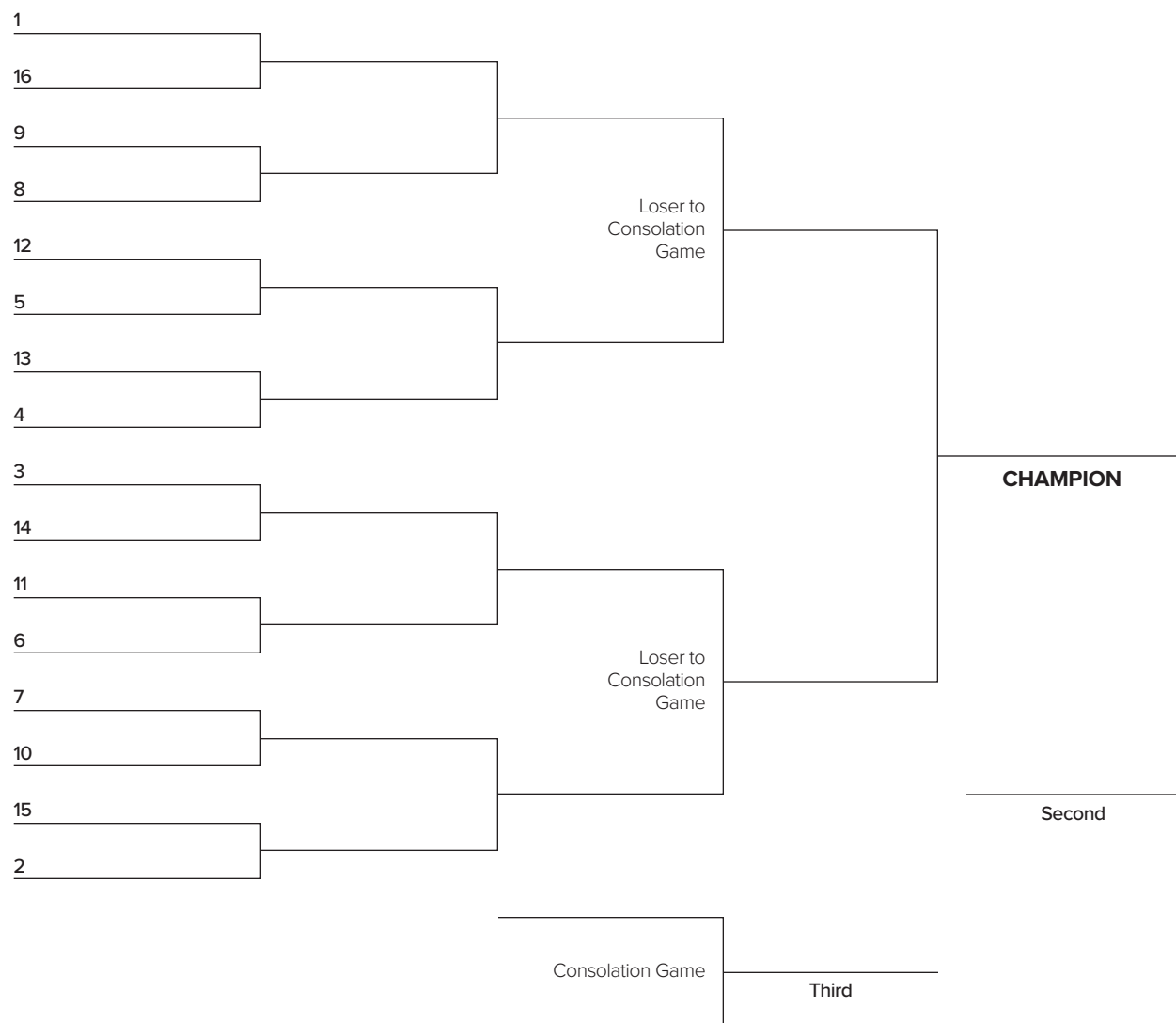
Scorekeeper's Signature _____

Tie Breaker Questions							
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						
TIE BREAKER QUESTIONS SUBTOTAL							
Rules violations (a deduction of 20% of the total possible points for the above sections) must be initialed by the judge, coordinator, and manager of the event. Record the deduction in the space to the right. Indicate the rule violated: _____							
SEMIFINAL SUBTOTAL (160 points)							
To arrive at the TOTAL score, subtract rules violation points, as necessary.						TOTAL (210 points)	

Comments:

I certify these results to be true and accurate to the best of my knowledge.
JUDGE
Printed name: _____ Signature: _____

SINGLE ELIMINATION TOURNAMENT CHART – SEEDED 16 PLAYER FIELD



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	

TECHNOLOGY BOWL

EVENT COORDINATOR INSTRUCTIONS

PERSONNEL

- A. Event coordinator
- B. Timer for exam, one (1)
- C. Proctors for 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 oral competition, 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 for each judge
 - 2. TSA Event Coordinator Report
 - 3. List of event judges/assistants
 - 4. Copies of the 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. Test
 - 1. Stopwatch for timekeeper
 - 2. Tables and chairs or tablet armchairs to accommodate all participants
 - 3. Scantron instruction forms
 - 4. Coordinators are responsible for creating the test to be administered at the National TSA Conference; copies are provided by the national TSA office
- C. Oral competition
 - 1. Table and chairs for the event judges and moderator
 - 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 large 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

AT THE CONFERENCE

- A. Attend the mandatory coordinator's meeting at the designated time and location.
- B. Report to the CRC room and check the contents of the coordinator's packet.
- C. Review the event guidelines and check to see that enough personnel have been scheduled.
- D. 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.
- E. At least one (1) hour before the event is scheduled to begin, meet with judges/assistants to review time limits, procedures, regulations, evaluation, and all other details related to the event. If questions arise that cannot be answered, speak to the event manager before the event begins.

PRELIMINARY ROUND

- A. Begin the event at the scheduled time by closing the doors and checking the entry list.
- B. All participants and event judges should be in the room at this time.
- C. Late participants and/or entries are considered on a case-by-case basis and only when lateness is caused by events beyond the participant's control.
- D. In order to compete, participants must be on the entry list or must have approval of the CRC.

- E. Distribute the scantron forms to the participants, if applicable.
 - 1. Direct participants to fill in their participant identification number and test code letter in the appropriate spaces.
 - 2. Provide an opportunity for any questions about the scan form.
- F. Ensure the following testing procedure is applied with the help of the proctors (tests are coded A or B).
 - 1. Participants seated next to each other should not have the same coded test; tests should be alternated A, B, A, B, and so on.
 - 2. If the test is administered as hard copies, instruct the participants to keep the tests face down until they are directed to turn them over and begin.
 - 3. If exams are administered electronically, instruct participants not to begin until the scheduled time.
- G. 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.
- H. Exactly one (1) hour from the time that the participants begin the test, call time.
 - 1. Direct students to check out with a test proctor once they are finished with their test.
 - 2. Proctors should collect all tests and then students should immediately leave the testing room.
 - 3. If a line forms students must remain completely silent. Any talking will result in a zero score for the test of the person(s) talking.
 - 4. Decisions about rules violations must be discussed and verified with the judges, event coordinator, and CRC manager to determine either:
 - 5. To deduct twenty percent (20%) of the total possible points in this round or
 - 6. To disqualify the entry
 The event coordinator, judges, and CRC manager must initial either of these actions on the rating form.
- I. Determine the sixteen (16) semifinalist teams based on team members' averaged score on the test.
- J. Prepare a list of the sixteen (16) semifinalist teams and submit it to the CRC for posting.

SEMIFINAL ROUND

- A. Run the oral component of the event as described in the Procedure section.
- B. Discuss rule violations (e.g. 20% deduction, disqualification) and have all relevant parties initial the rating form.
- C. Determine the ten (10) finalists. Judges discuss and break any ties that affect the top three (3) placements.
- D. Judges determine the ten (10) finalists and discuss and break any ties.
- E. Submit the finalist results and all related forms in the results envelope to the CRC room.
- F. If necessary, manage security and the removal of materials from the event area.