



# TECHNOLOGY BOWL

If there were an event “popularity contest,” Technology Bowl would be right up there with Chapter Team.

Participants must provide—and bring to the test site—two (2) pencils (sharpened standard #2/HB grade with an eraser, or #2 mechanical with an eraser) for any competition that involves a written test.

## OVERVIEW

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

## ELIGIBILITY

Participants are limited to one (1) team of three (3) members per chapter. 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

- A. The written test is administered at the same time to all students entering this event. One (1) hour is allowed for this test.
- B. Teams selected as semifinalists must be available as scheduled for oral competition, as well as the LEAP interview that will be conducted prior to the start of the semifinalist tournament and will last a maximum of five (5) minutes.

## LEAP LEADERSHIP RESUME/INTERVIEW

A Team LEAP Leadership Resume is required for this event and must be submitted at event check-in. Semifinalists will respond to interview questions related to their submitted LEAP Resume for a maximum of five (5) minutes.

## ATTIRE

Competition attire, as described in the [National TSA Dress Code](#) section of this guide, is required for this event.


## PROCEDURE

- A. Participants report to the event area at the time and place stated in the conference program. Teams must submit a LEAP Leadership Resume prior to taking the written 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 written exam. Participants must provide their own pencils for the test. The sixteen (16) top-scoring teams qualify as semifinalists. A semifinalist list in random order is posted.
- E. Semifinalist team members and their advisor report to the oral event area holding room at the time and place stated in the conference program. After a short briefing, advisors leave and the teams remain in the holding room until they are called for competition. Teams that leave the holding room before being called for competition are eliminated. Teams may visit with other teams in the holding room; however, no advisors or visitors may enter.
- F. The LEAP interviews will be conducted immediately prior to the start of the oral event. The interview score will be combined with the team average (taken from the test scores) to determine seeding for the oral event.
- G. Team members are not allowed in the oral event area as observers until after their team has been eliminated from competition.
- H. When instructed to do so, two (2) teams enter the event area and are seated according to instructions.
- I. Teams are paired using the semifinalist teams' flow chart.
- J. 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.
- K. Questions are drawn from a card file resource bank.
- L. If equipment malfunctions, a question that is being considered at that time automatically is disqualified. If equipment malfunctions three (3) times, time is called by the event coordinator to set up the back-up equipment. After equipment has been set up and tested, the event continues from the point where it stopped.

**It is essential that students and advisors routinely check the TSA website ([www.tsaweb.org](http://www.tsaweb.org)) for updated information about TSA general rules and competitive events. This information is found on the website under [Competitions/Updates](#). When students participate in any TSA competitive event, they are**

 Read the General Rules and Regulations section in the front of this guide for information that applies to all of TSA's competitive events.



responsible for knowing of updates, changes, or clarification related to that event.

## REGULATIONS

### A. Written exam

1. Scan-type forms are furnished by the event coordinator.
2. Participant entry numbers (assigned during conference registration) must be entered on the scan form in the space indicated.
3. Participants must stop work immediately when time is called.
4. 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.
5. All tests must be turned in before leaving the test area.

### B. Oral competition

1. The average of the scores of all three (3) team members determines team ranking.
2. Sixteen (16) teams, based on the written test results, are selected as semifinalists.
3. 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. If a team or member is late for participation, that team forfeits and is eliminated from competition.
4. No transmitting or recording devices are permitted to assist in answering a question in the event area. No prompting is permitted.
5. Teams are asked twelve (12) questions, one of which is a bonus question. The bonus question is randomly placed among the twelve (12) questions. Whichever team answers the question prior to the bonus question may answer the bonus question. Teams are told when the bonus question comes up in the set of twelve (12) questions. Questions, including the bonus question, may not be discussed by teams. If a team answers the bonus question correctly, the team is given an additional question to answer. The team may discuss this question. If the bonus question is not answered correctly, participants are not given 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 to earn points.
- C. LEAP Leadership Resume (see Forms Appendix or TSA website)/Interview — Teams document, in the LEAP leadership resume (see resume template), the leadership skills that the team has developed and demonstrated while working on this event. Semifinalists will respond to questions about the content of their resume as part of their presentation and/or interview. The LEAP Leadership Resume/Interview guidelines and other resources can be found on the [TSA website](#).

### EVALUATION

- A. Written exam: Scores on a test of fifty (50) multiple choice questions determine the winners of the written exam and the semifinalist teams for the oral competition portion of the event.
- B. Oral exam
  1. A team’s score is derived from the total number of correct answers to the questions asked. For each correct answer, the team receives ten (10) points.
  2. When a question has been completely read and a team has been recognized to answer after pressing the button, should the team not answer or answer incorrectly, five (5) points are deducted from the team’s total 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.
  3. If a 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 is incorrect, the entire question is read for the other team.
  4. Twelve (12) questions per round are asked. No questions are repeated in another round.
  5. Teams are asked twelve (12) questions, one of which is a bonus question. The bonus question is randomly placed among the twelve (12) questions. Whichever team answers the question prior to the bonus question may answer the bonus question. Teams are told when the bonus question comes up in the set of twelve (12) questions. Questions, including the bonus question, may not be discussed by teams. If a team answers the bonus question correctly, the team is given an additional question to answer. The team may discuss this question. If the bonus question is not answered correctly, participants are not given an additional question.

6. In case of a tie, five (5) additional questions are asked. If a tie exists after the first tiebreaker, then five (5) additional questions are asked. This procedure continues until the tie is broken. The questions are picked at random from the test bank. There will be no additional bonus questions.

 Trophies are awarded to the top three (3) individuals in the written competition and the top three (3) teams in the oral competition.

NOTE: The LEAP requirements will be evaluated.



### STEM INTEGRATION

This event aligns with the STEM educational standards noted below. Please refer to the STEM Integration section of this guide for more information.

Science, Technology, Engineering, Mathematics

### TSA AND CAREERS

This competition connects to one or more of the career areas featured in the TSA AND CAREERS section of this guide. Use *The Career Clusters* chart and the *TSA Competitions and The Career Clusters* grid as resources for information about careers.

### CAREERS RELATED TO THIS EVENT

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



# TECHNOLOGY BOWL

## EVENT COORDINATOR INSTRUCTIONS

### PERSONNEL

- A. Event coordinator
- B. Timer for written exam, one (1)
- C. Proctors for written exam, one (1) for every twenty (20) participants
- D. Timekeeper for oral exam, one (1)
- E. Scorekeeper for oral exam, one (1)
- F. Moderator for oral exam, one (1)
- G. Evaluators for semifinalist interviews, two (2) or more

### MATERIALS

- A. Coordinator's packet, containing:
  - 1. Event guidelines, one (1) copy for the coordinator and for each evaluator
  - 2. TSA Event Coordinator Report
  - 3. List of evaluators/assistants
  - 4. Pre-populated flash drives for evaluators
  - 5. Sufficient copies of the written test (tests must be returned immediately following the event)
  - 6. Results envelope
  - 7. Envelope for LEAP Leadership Resumes
  - 8. LEAP Interview Judging Protocol
- B. Written test
  - 1. Stopwatch for timekeeper
  - 2. Tables and chairs in sufficient quantity to accommodate all participants
  - 3. Scan machine and forms
- C. Oral exam
  - 1. Table and chairs for the evaluators
  - 2. Two (2) tables and six (6) chairs for the event team, facing the moderator and audience
  - 3. Technology Bowl Semifinalist Teams Flow Chart
  - 4. List of chapters for the event
  - 5. Buzzer system and controls
  - 6. Stopwatch for timekeeper



7. Large, erasable audience score sheet (20" x 36")
8. 5" x 8" question cards selected from the technology bowl test bank with test questions and the acceptable answer(s) clearly typed

### RESPONSIBILITIES

- A. Upon arrival at the conference, report to the CRC room and check the contents of the coordinator's packet. Review the event guidelines and check to see that enough evaluators/assistants have been scheduled.
- B. Inspect the area(s) in which the event is being held for appropriate set-up, including room size, chairs, tables, outlets, etc. Notify the event manager of any potential problems.
- C. One (1) hour before the event is scheduled to begin, meet with evaluators/assistants to review time limits, procedures, and regulations. If questions arise that cannot be answered, speak to the event manager before the event begins.
- D. Begin the event at the scheduled time by closing the doors and checking the entry list. All participants and evaluators should be in the room at this time. Participants not present may be disqualified. In order to compete, participants must be on the entry list or must have approval of the CRC.
- E. Distribute the scannable answer forms with the help of evaluators. Direct participants to fill in their entry number and test code letter in the appropriate spaces.
- F. Pass out the written test with the help of the evaluators (tests should be coded A or B). Participants seated next to each other should not have the same coded test; tests should be alternated A, B, A, B, and so on. Instruct the participants to keep the tests face down until they are directed to turn them over and begin.
- G. With the event coordinator acting as the timer and the evaluators acting as proctors (by positioning themselves around the event room), direct the participants to turn their test papers over, place their code number and the code letter found on the test on their scan forms, and begin.
- H. Exactly one (1) hour from the time that the participants begin answering the questions, call time. Ask the participants to turn their answer sheets face down and then the test papers face down. Have participants pass their answer sheets to one of the evaluators. Collect all of the test papers. Make sure that all test papers are collected. When all have been turned in, the participants may be dismissed.



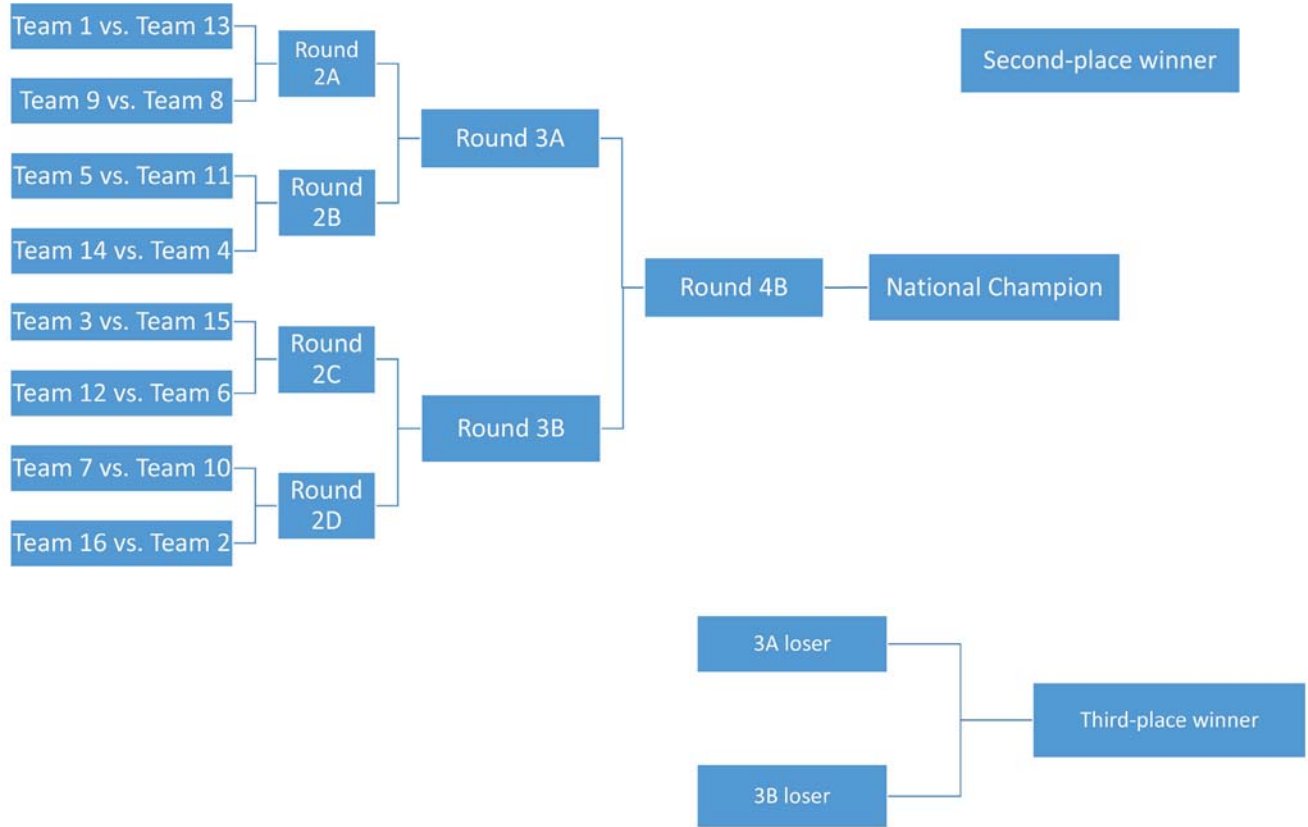


- I. Determine the sixteen (16) semifinalist teams for the written test.
- J. Submit the semifinalist results to the CRC for posting.
- K. Run the oral component of the event as described in the Procedure section.
- L. For participants who violate the rules, the decision either to deduct 20% of the total possible points or to disqualify the entry must be discussed and verified with the evaluators, event coordinator, and a CRC manager.
- M. Review and submit the finalist results and all items/forms in the results envelope to the CRC room.



# TECHNOLOGY BOWL

**SEMIFINALIST TEAMS FLOW CHART** HIGH 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





Tie Breaker Questions					
1.		Team # _____		Team # _____	
2.					
3.					
4.					
5.					
<b>SUBTOTAL</b>					

Rules violations (a deduction of 20% of the total possible points in the sections above) 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: \_\_\_\_\_

Semifinalist LEAP Interview (20 points)			
CRITERIA	Minimal performance 1-4 points	Adequate performance 5-8 points	Exemplary performance 9-10 points
<b>LEAP Leadership Resume/Interview</b> See Regulation C and instructions on TSA website (X2)	The team's efforts are not clearly communicated, lack detail, and/or are unconvincing; few, if any, attempts are made to identify and/or incorporate the LEAP Be. Know. Do. criteria.	The team's efforts are adequately communicated, include some detail, are clear, and/or are generally convincing; identification and/or incorporation of the LEAP Be. Know. Do. criteria is adequate.	The team's efforts are clearly communicated, fully-detailed, and convincing; identification and/or incorporation of the LEAP Be. Know. Do. criteria is excellent.
<b>SUBTOTAL (20 points)</b>			

Rules violations (a deduction of 20% of the total possible points in the semifinalist section) 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: \_\_\_\_\_

(To arrive at the TOTAL score, add any subtotals and subtract rules violation points, as necessary.)	<b>TOTAL (145 points)</b>
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Comments:

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I certify these results to be true and accurate to the best of my knowledge.

Evaluator

Printed name: \_\_\_\_\_ Signature: \_\_\_\_\_