

FORE!

OVERVIEW

Applying leadership and 21st century skills, participants will aid in stimulating elementary students' interest in TSA by encouraging middle school TSA members to share their love and interest in technology.

ELIGIBILITY

Open to high school chapters.

10 (10) teams of two (2) members per chapter may participate.

Each team must have 1 elementary student, and 1 high school student.

Students in 6th grade can be considered elementary students ONLY IF 6th grade is part of the elementary school in which they are currently enrolled. Students in 6th grade who are part of a K-8 or K-12 school would be considered middle school students.

ATTIRE

TSA competition attire is required.

PREPARATION

A. Participants (one elementary and one high school student) design and build a miniature golf course hole for a fictitious parks and recreation department which is renovating a municipal golf course. Part of the golf course was a 9-hole miniature golf course which had become dated and unattractive. As part of the renovation, the department of parks and recreation has the opportunity to update the course; they want to design and build an attractive course that is appealing to all of the city's residents and have put out a call for design ideas for a new 9-hole golf course.

REGULATIONS AND REQUIREMENTS

Students will work to develop their leadership and 21st century skills in the process of preparing for and participating in this Colorado 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. The Documentation Portfolio
 - a. Documentation materials (comprising "a portfolio") are required and must be secured in a clear front report cover with the following single-sided, 8 1/2", x 11" pages, in this order:
 - i. Title page with the event title, the conference state, the year, and the team ID number; one (1) page
 - ii. Table of contents; pages as needed
 - iii. A list of materials (including cost); pages as needed
 - iv. Photos of the project; pages as needed
 - v. An essay describing the project and each person's part in it. Included in this essay should be an explanation of how the part of the hole was determined; pages as needed.
 - vi. A time log documenting the time spent with the elementary student on the project
 - vii. A colored blueprint/schematic of the hole with all parts clearly labeled.
- B. The model
 - a. The golf course hole model must be a playable tabletop model not to exceed 12" x 12"
 - b. The model must include a "tee" area
 - c. The model must include a marble to serve as a miniature golf ball.
 - d. The team must design and develop a "putter" or launch mechanism to hit the ball on the hole.
 - e. The model must include an area where the golf ball disappears from view during the play of the hole.
 - f. The model must include a feature that moves (either on its own -like a windmill- or as a result of the ball moving it -like a revolving door or flap).
 - g. In order to minimize costs, the model should be constructed primarily from recyclable materials.

SEMIFINAL ROUND

- A. The Presentation/Interview
 - a. Participants sign up for an interview time..
 - b. Participants are allowed up to five (5) minutes to respond to interview questions.
 - c. Participants may reference their portfolio and model.

- B. Judges score the interviews.
- C. The top three (3) finalists are announced.

EVALUATION

PRELIMINARY ROUND

- A. The documentation portfolio
- B. The model

SEMIFINAL ROUND

- A. The presentation/interview

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

FORE!**2022 OFFICIAL RATING FORM****HIGH SCHOOL**

Judges: Using minimal (1-4 points), adequate (5-8 points), or exemplary (9-10 points) performance levels as a guideline in the rating form, record the scores earned for the event criteria in the column spaces to the right. The X1 or X2 notation in the criteria column is a multiplier factor for determining the points earned. (Example: an "adequate" score of 7 for an X1 criterion = 7 points; an "adequate" score of 7 for an X2 criterion = 14 points.) A score of zero (0) is acceptable if the minimal performance for any criterion is not met.

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.

Documentation portfolio was submitted

ENTRY NOT EVALUATED

DOCUMENTATION PORTFOLIO (110 points)				Record scores in the column spaces
CRITERIA	Minimal performance	Adequate performance	Exemplary performance	
	1-4 points	5-8 points	9-10 points	
Portfolio (X1)	The portfolio may be missing two or more of the following items and/or the information presented is not complete: <ul style="list-style-type: none"> • A list of materials used in the creation of the hole. • Photographs detailing the work of the TSA member AND the elementary student in the creation of the model. • An essay describing in detail the hole and each person's part in the project. • A time log documenting the time spent with the elementary student. • A blueprint/schematic of the hole will all part/features clearly labeled. 	Portfolio is complete and includes: <ul style="list-style-type: none"> • A list of materials used in the creation of the hole. • Photographs detailing the work of the TSA member AND the elementary student in the creation of the model. • An essay describing in detail the golf course hole and each person's part in the project. • A time log documenting the time spent with the elementary student. • A blueprint/schematic of the hole will all part/features clearly labeled. 	Portfolio is complete and easy to read and is clearly understandable. It includes: <ul style="list-style-type: none"> • A detailed list of materials used in the creation of the hole. • Multiple photographs detailing the work of the TSA member AND the elementary student in the creation of the model. • A short essay describing in detail the golf course hole and each person's part in the project. • A detailed time log documenting the time spent with the elementary student. • A colored blueprint/schematic of the hole will all part/features clearly labeled. 	
Model (X1)	The model is missing three or more items from the following: <ul style="list-style-type: none"> • Fits within the 12" x 12" dimensions • Includes a "tee" area • Includes a cup 1" in diameter • Includes a marble to serve as a ball. • Has a student-developed putter/launch mechanism to hit the ball on the hole. 	The model includes/meets all but ONE of the following: <ul style="list-style-type: none"> • Fits within the 12" x 12" dimensions • Includes a "tee" area • Includes a cup 1" in diameter • Includes a marble to serve as a ball. • Has a student-developed putter/launch mechanism to hit the ball on the hole. 	The model hole: <ul style="list-style-type: none"> • Fits within the 12" x 12" dimensions • Includes a "tee" area • Includes a cup 1" in diameter • Includes a marble to serve as a ball. • Has a student-developed putter/launch mechanism to hit the ball on the hole. • Is constructed from recycled materials. 	

	• Is built from recycled materials.	• Is built from recycled materials.		
Design (X1)	The hole makes poor use of the space; design indicates simple two-dimensional design. No special features such as tunnels or uneven topography are included.	The hole adequately uses the space provided; may include one feature such as a tunnel or uneven topography.	The hole takes full advantage of all available space. May include multiple levels or other features (e.g., tunnels) or uneven topography.	
Model (X1)	The model is incomplete. Many parts of the model are missing. The hole is not well constructed.	The model is complete but there may be some difference between plans and actual model. Model includes greens, walkways, bumpers, tees, holes, flags and obstacles. Goal is apparent. The hole is well constructed.	The model accurately follows the drawings. The model is complete with greens, walkways, bumpers, tees, holes, flags and obstacles. The goal is readily apparent. The hole is well constructed and neatly presented.	
DOCUMENTATION PORTFOLIO SUBTOTAL (110 points)				0

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 (110 points)	0
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SEMIFINAL PRESENTATION/INTERVIEW (50 points)				Record scores in the column spaces below.
CRITERIA	Minimal performance	Adequate performance	Exemplary performance	
	1-4 points	5-8 points	9-10 points	
Organization (X1)	Team seems unprepared and unorganized for the presentation/ interview, with an illogical explanation of the project.	Team is prepared for the interview and is somewhat organized in its presentation to judges; team's presentation thesis is, for the most part, logical and/or clear.	Team's presentation/interview with judges is well organized; the interview is concise and logical, with a clear explanation of the development of the project.	
Knowledge (X1)	Team members seem to have little understanding of the concepts in their project; vague interview answers are provided.	Team members have a generalized understanding of the concepts discussed and answer questions adequately.	Evidence is clear that team members have a thorough understanding of the concepts discussed; they answer questions thoroughly.	
Articulation (X1)	Communication of the solution is unclear, unorganized, and/or illogical; leadership and/or 21st century skills are not evident.	Communication of the solution is somewhat logical and clear; leadership and/or 21st century skills are somewhat evident.	The interview provides a clear, concise, and easy-to-follow analysis of the solution; leadership and/or 21st century skills are clearly evident.	
Delivery (X1)	The team is verbose and/or uncertain in its presentation/ interview; participants' posture, gestures, and lack of eye contact diminish the delivery.	The team is somewhat well-spoken and clear in its presentation/ interview; participants' posture, gestures, and eye contact result in an acceptable delivery.	The team is well-spoken and distinct in its presentation/interview; participants' posture, gestures, and eye contact result in a polished, natural, and effective delivery.	
Team Participation (X1)	Only one person in the group communicates with judges; there is little or no participation from other team members.	Team members all participate to some extent and seem to understand the concepts.	Team members seem to fully understand the concepts and share an equal role in the interview.	
SEMIFINAL PRESENTATION/INTERVIEW SUBTOTAL (50 points)				0

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 (50 points)

0

**To arrive at the TOTAL score, add any subtotals and subtract rules violation points, as necessary.
TOTAL (160 points)**

0