



# FASHION DESIGN AND TECHNOLOGY

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## OVERVIEW

Humans need protection from weather, environmental factors, occupational hazards, and other adversarial conditions. TSA members will demonstrate an understanding of and expertise in using research and design to convey a wearable technology concept.

Students have the opportunity to research, design, and create a portfolio and wearable prototype that reflect the current year's published theme. Twelve (12) qualifying semifinalist teams participate in an on-site presentation/interview in which they present their garment designs to the judges.

The theme for the current year will be published on the national TSA website, under Competitions/Themes and Problems.

## ELIGIBILITY

Entries are limited to to three (3) teams of two to four (2-4) members per state.

## TIME LIMITS

- A. Entries must be started and completed during the current school year.
- B. Semifinalists will be allowed ten (10) minutes for a presentation/interview. A deduction of five (5) points will be incurred for exceeding the presentation/interview time limit.
- C. The LEAP interview will be conducted immediately following the semifinalist presentation/interview and will last a maximum of five (5) additional 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 check in their entry and submit LEAP Leadership Resumes at the time and place stated in the conference program.
- B. Entries are reviewed by evaluators. Neither students nor advisors are present at this time. A semifinalist list in random order is posted.
- C. Semifinalist teams will sign up for times for their presentation/interview. These sessions are closed and will take place with judges only.
- D. Each semifinalist team must have access to student TSA member models (from the team's chapter) and the team-created prototypes in order to compete in the semifinals.
- E. Semifinalists report to the event area at the time and place stated in the conference program.
- F. Semifinalists use this assigned time to present their designs and answer questions from the judges.
- G. Models will be present and wearing the prototypes designed by the team. Models must be members of the team's TSA chapter.
- H. Any type of prototype (garment) that is typical of responsible clothing design and creation is considered appropriate. The purchase/use of special textiles (water/fireproof materials, etc.) is not required. Information about special textiles should be used in the research/design portfolio, but the prototype does not have to be constructed using these materials.
- I. During the semifinalist round, participants will be allowed ten (10) minutes to complete the presentation/interview (two [2] minutes for setup, three [3] minutes for the actual presentation, three [3] minutes for the interview, and two [2] minutes for removal of items). Points will be deducted from a team's score for exceeding the ten (10)-minute time frame allowed for the semifinalist round.
- J. The LEAP interview will be conducted immediately following the semifinalist presentation/interview and will last a maximum of five (5) additional minutes.

- K. Final evaluation by judges takes place immediately following the completion of the presentation.

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



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

## REGULATIONS

- A. All work must be completed during the current school year.
- B. Participants will use a 32-quart plastic storage box to submit their portfolio, patterns, and any prototypes that are not placed on hangers or on mannequins.
- C. Portfolio
1. Documentation materials (comprising “a portfolio”) are required and should be placed and secured in a [clear front report cover](#). (The portfolio must be submitted with the patterns and prototype.) The report cover must include the following single-sided, 8½" x 11" pages, in this order:
    - a. Title page with the event title, the conference city and state, and the year; one (1) page
    - b. Table of contents; one (1) page
    - c. Literature research summary; two (2) pages
    - d. Interpretation of theme; two (2) pages
    - e. Explanation of the design and construction of the prototypes, textiles used, notions needed, sewing/ construction techniques used, etc.; two (2) pages
    - f. Design process sketches (hand-drawn); five (5) pages
    - g. Computer-drawn final design print-outs; five (5) pages
    - h. References /resources; two (2) pages
- D. Patterns
- Full-sized student-made pattern(s) must be included. Patterns should be made of appropriate lightweight vellum paper. Patterns must NOT be purchased.
- E. Prototypes
1. Prototypes for preliminary judging must be put on hangers (if applicable), or on dressmaker mannequins; the portfolio and patterns should accompany the prototypes. If the prototype is not a garment that can be placed on a hanger or mannequin, then it should be placed in the container with the portfolio and patterns.

2. The prototypes must be presentation quality.
  3. The purchase/use of special textiles (water/fireproof materials, etc.) is not required. Information about textiles should be used in the research and design portfolio, but the prototype does not have to be constructed using these special materials.
  4. All designs and prototypes/garments should be appropriate for viewing at the national TSA conference.
  5. Any portfolio or garment that depicts inappropriate or unacceptable designs will be disqualified.
  6. All patterns and prototypes must be designed, sketched, computer-drawn, developed, and sewn by participants. All garments must be the original work of the participants.
  7. Only the required number of prototypes (garments) are to be submitted for evaluation. Additional items, including accessories and other garments, may be used only in the semifinalist presentation and may not be submitted for preliminary judging.
- F. The semifinalist portion of the event evaluates the quality of the team's presentation, as well as the team's knowledge and expertise pertaining to the entry in the following areas: overall prototype design and originality, research, theme interpretation, construction/sewing techniques, and use of appropriate textiles/materials in the design.
- G. 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

Evaluation is based on points earned for the portfolio, patterns, prototypes, LEAP requirements, and a presentation/interview (semifinalists only). Points earned for the semifinalist presentation/interview will be added to the portfolio score to determine the final ranking of the top ten (10) finalists. Please refer to the official rating form for more information.



### **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**

Fashion designer  
Fashion layout editor  
Fashion magazine editor  
Fashion Merchandiser  
Model  
Tailor

# FASHION DESIGN AND TECHNOLOGY EVENT COORDINATOR INSTRUCTIONS

## PERSONNEL

- A. Event coordinator
- B. Evaluators, two (2) or more per round
- C. Timekeeper

## 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. Stick-on labels for entries, as needed
  - 6. Stopwatch, one (1)
  - 7. Results envelope
  - 8. Racks for hanging garments
  - 9. Tables for entries
  - 10. Envelope for LEAP Leadership Resumes
  - 11. LEAP Interview Judging Protocol
- B. Tables and chairs for evaluators
- C. Chairs for audience
- D. One (1) table, approximately six feet (6') long, for judges

## 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. Check in entries and collect LEAP Leadership Resumes from students during the initial event check-in at the time and place stated in the conference program.
- C. Inspect the area(s) in which the event is being held for appropriate set-up, including room size, chairs, tables, screens, outlets, etc. Notify the event manager of any potential problems.



- D. 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.
- E. 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.
- F. Evaluators independently assess each entry and determine twelve (12) semifinalists.
- G. Facilitate event pick-up at the time and place stated in the conference program. In order to pick up an entry, the student(s) must have a conference name badge with a team ID number that matches the team ID number on the entry.
- H. Submit semifinalist results to the CRC for posting. Also prepare and post a sign-up sheet for semifinalist presentations.
- I. Conduct semifinalist presentations.
- J. Allow the first team to enter the event room, and provide two (2) minutes for set-up of materials. The event coordinator or assistant introduces the team by entry number only. No nametags or clothing that give any indication of the hometown, school, or chapter are allowed. Each team will be allowed three (3) minutes for the presentation and three (3) minutes to answer interview questions. Each team is allowed two (2) minutes to remove all materials.
- K. The LEAP interview will be conducted immediately following the semifinalist presentation/interview and will last a maximum of five (5) additional minutes.
- L. Evaluators determine the ten (10) finalists and discuss and break any ties.
- M. Review and submit the finalist results and all items/forms in the results envelope to the CRC room.
- N. If necessary, manage security and the removal of materials from the event area.



Participant/Team ID# \_\_\_\_\_

# FASHION DESIGN AND TECHNOLOGY

2017 & 2018 OFFICIAL RATING FORM

HIGH 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. If a check mark is placed in the ENTRY NOT EVALUATED box, the entry is not to be judged.

- Portfolio is present.
- Patterns are present.
- Prototypes are present.
- Completed LEAP Leadership Resume is present.
- ENTRY NOT EVALUATED

## Portfolio (100 points)

CRITERIA	Minimal performance 1-4 points	Adequate performance 5-8 points	Exemplary performance 9-10 points
Evaluators: Using minimal (1-4 points), adequate (5-8 points), or exemplary (9-10 points) performance levels as a guideline, 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.			
<b>Portfolio components</b> See Regulation C (X1)	Some parts of the portfolio are missing; the portfolio is unorganized, messy, and lacks quality.	Most components of the portfolio are present, organized, and adequate in quality.	All components of the portfolio are included; strong effort and quality of work are evident.
<b>Summary of research</b> (X2)	The summary is too brief and/or lacks the appropriate details expected for the event.	The summary of the research is sufficient; most of the key details are included.	The summary is organized, clear, and concise, with appropriate and necessary details included.
<b>Interpretation of theme</b> (X1)	The interpretation of the theme is very weak and unconvincing.	The interpretation of the theme is clear, with some appropriate justification.	The interpretation of the theme is clear, concise, and thorough, with convincing justification.
<b>Explanation of garment prototypes</b> (X1)	The explanation is unclear, poorly organized, and/or does not accurately describe the garment prototypes.	The explanation is loosely organized, with adequate attempts to describe the garment prototypes and their production.	The explanation is clear, concise, and/or demonstrates extensive knowledge of garment prototypes and production.
<b>Design process sketches</b> (X2)	Sketches are poorly executed and/or lack necessary details in the design process.	Sketches are complete as drawn and include most notations and references to the design process.	Sketches are well executed, organized, and clearly represent the design process.
<b>Computer drawings for final design</b> (X2)	Computer drawings fail to accurately portray the final design; there are major omissions of important details.	Computer drawings somewhat accurately illustrate the final design, with many important details included.	Computer drawings of the final design are clear, accurate, and effectively portray the final product.
<b>Resources/references</b> (X1)	Research is inadequate, with very few credible resources and references provided and/or documented.	Research appears adequate, with most important resources and references adequately documented.	Research is comprehensive, and all resources and references are properly documented.
			<b>SUBTOTAL (100 points)</b>

Record scores in the column spaces below.





Patterns (30 points)			
CRITERIA	Minimal performance 1-4 points	Adequate performance 5-8 points	Exemplary performance 9-10 points
<b>Two or more hand-made garment patterns</b> (X2)	Patterns are poorly constructed, and/or are missing key components.	Patterns are generally well constructed; some key attributes and designs are included.	Patterns are designed to detail standards and are of a production quality.
<b>Creativity, originality, and difficulty</b> (X1)	Patterns lack creativity, and/or originality, and/or difficulty in execution.	Patterns are of good quality and demonstrate some degree of difficulty and originality.	Patterns are of industry standard; they clearly demonstrate originality, creativity, and skill.
<b>SUBTOTAL (30 points)</b>			
Quality of Garments (30 points)			
CRITERIA	Minimal performance 1-4 points	Adequate performance 5-8 points	Exemplary performance 9-10 points
<b>Proper sewing/ construction techniques used/evident</b> (X2)	Prototype construction fails to meet accepted standards and/or techniques of construction..	Prototype construction meets acceptable standards and construction techniques.	Prototype construction is of high quality and indicates use of a variety of appropriate techniques.
<b>Use of notions</b> (buttons, zippers, snaps, embroidery, embellishments, etc.) (X1)	Little or no use of notions is evident in the garments.	An adequate choice and variety of notions are appropriately used in the garments.	An excellent choice and variety of notions are used that enhance the overall appearance and quality of the garments.
<b>SUBTOTAL (30 points)</b>			

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

Indicate the rule violated: \_\_\_\_\_

Semifinalist Presentation/Interview (60 points)			
CRITERIA	Minimal performance 1-4 points	Adequate performance 5-8 points	Exemplary performance 9-10 points
<b>Organization</b> (X1)	Participants seem unorganized and unprepared for the presentation.	Participants are generally prepared for the presentation.	The presentation is logical, well organized, and easy to follow.
<b>Knowledge</b> (X2)	Participants seem to have little understanding of the concepts in their project; answers to questions may be vague.	Participants exhibit an adequate understanding of the concepts in their project.	Participants show clear evidence of a thorough understanding of the project.
<b>Articulation</b> (X1)	The interview provides an unclear, unorganized, and/or illogical description of the project.	The interview offers a somewhat logical and easy-to-understand project description.	The presentation provides a clear, concise, and easy-to-follow description of the project.
<b>Delivery</b> (X1)	The team is verbose and/or uncertain in its presentation/ interview; participants' posture, gestures, and lack of eye contact diminish the interview.	The team is somewhat well-spoken and distinct in its presentation/interview; participants' posture gestures, and eye contact are acceptable.	The team is well-spoken and distinct in its presentation/ interview; participants' posture, gestures, and eye contact result in a polished, natural, and effective interview.



Semifinalist Presentation/Interview (continued) (60 points)			
<b>Quality of prototype on model</b> (X1)	The prototype does not appear to fit and/or is inappropriate for the person modeling (color, style, textures, etc).	The prototype fits neatly and is generally well-made for the person modeling.	The prototype clearly is made and designed for the model—fitting nicely, with appropriate style, colors, textures, etc.
			<b>SUBTOTAL (60 points)</b>

Time violation (a deduction of five (5) points total will be incurred for exceeding the semifinalist presentation time limit). Record the deduction in the space to the right.

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 G 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 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.
			<b>SUBTOTAL (20 points)</b>

Rules violations (a deduction of 20% of the total possible points in the semifinalist section) must be initialed 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.) **TOTAL (240 points)**

Comments:

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

Evaluator

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