



LANDSCAPE DESIGN

OVERVIEW

Participants act as Landscape Architects to develop a portfolio with a set of landscape site plans and related materials. Participants prepare a hand drawn, or computer-generated, final solution to accurately depict their design.

The Super Bowl Host Committee is seeking creative landscape architects to create an outdoor garden/patio area just outside the Super Bowl arena that will act as a social space for festivities related to the 2018 Super Bowl.

The area designated for the garden/patio is 40' x 30' (1200 sq ft), and located at one end of a party tent that's connected to the arena. The tent (40' x 60') will be acting as a VIP party space for approximately 200 special attendees and guests at the 2017 Super Bowl. The garden/patio area would act as an extension of the party tent, allowing guests to wander back and forth (inside and outside) as they socialize.

Participants must apply the principles and practices of landscape design to determine the client's goals and requirements of the project. Participants will sketch preliminary design plans, including electrical layouts if applicable, final site plans, sectional views, pictorials, specify materials, and provide an estimate/bid for the project.

Each team will compile a documentation portfolio and working drawings, and will present their design through a short video presentation.

ELIGIBILITY

Participants are limited to two (2) teams of one to six (1-6) members per chapter.

TIME LIMITS

- A. Entries must be started and completed during the current school year.
- B. The video presentation must be a minimum of one (1) minute and must not exceed three (3) minutes.
- C. Entries are due by 5:00pm on February 27, 2017.

ATTIRE

Professional dress as described in Competitive Events Attire is the minimum requirement for the video presentation portion of the challenge.

PROCEDURE

- A. In preparation for this event, participants will thoroughly research and brainstorm ideas for the designated topic/criteria.
- B. In a documentation portfolio, competitors will include all brainstorming, drawings and resources used. Additionally, the final documentation to be submitted to the judges

must include photos of the design boards. Up to five (5) photos total may be submitted.

- C. Competitors will then create a short video presenting their design boards/proposed solution.

REGULATIONS

- A. The entry will consist of a documentation portfolio, including a set of drawings, and a video presentation (posted online-e.g. YouTube).
- B. The URL for the video should be emailed to tsachall@tcnj.edu. All required documentation must be submitted as a PDF attachment to the email.
- C. Documentation materials (comprising a portfolio) are required and must be submitted as a PDF attachment. The portfolio must include the following single-sided, 8 1/2" x 11" pages, in this order:
 - 1. Title page with the event title, team members' names, TSA chapter advisor name and school name; one (1) page.
 - 2. Table of Contents; pages as needed
 - 3. A description of how the individual/team interpreted the design challenge and an explanation of the style and merits of the design concepts; one (1) page
 - 4. A schedule of landscape materials for all surfaces of the landscape design and plants; one (1) page
 - 5. A reproduction copy of original hand drawings and printer/plotter drawings with appropriate scale size noted on the drawing; pages as needed
 - 6. A pictorial of the individual/team's final design with appropriate details included; one (1) page
 - 7. Mentorship Verification form (optional); students can seek mentorship of a landscape architect or other professional involved in landscaping (see Mentorship Verification form; size A, one (1) page
 - 8. Plan of Work log that indicates preparation for the event, as noted by date, task, time involved, team member responsible, and comments (see Plan of Work log); pages as needed
 - 9. List of resources/references in APA format; pages as needed
- D. The video presentation must be a minimum of one (1) minute and must not exceed three (3) minutes.

EVALUATION

Evaluation is based on the documentation portfolio (including drawings), design and video presentation (200 points).

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

PRIMARY LEADERSHIP SKILLS

Leadership skills promoted in the event:

- COMMUNICATION — Students write technical descriptions, draw design plans and use charts and tables to convey information. Suggested leadership lessons: *personality Types and put It Together*.
- CREATIVE THINKING — Students create original ideas based on client needs and specifications. Suggested leadership lessons: *Creative Techniques* and *HAT to Be Creative*.
- DECISION MAKING — Students research ideas, look for inspiration, and develop a plan. Suggested leadership lessons: *Informed Decisions*, *Critical Thinking Tips* and *The Hidden Message*.

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 16 Career Clusters* chart and the *TSA Competitions and The 16 Career Clusters* grid as resources for information about careers.

CAREERS RELATED TO THIS EVENT

Appraiser
Architect
Civil and Structural Engineering
Construction manager
Interior designer
Urban and regional planner

Landscape Estimate Template

PLANTS LIST				
NAME	SIZE	QTY	PRICE	TOTAL
MATERIAL LIST				
MATERIAL		QTY	PRICE	TOTAL
LANDSCAPE FABRIC LIST				
MATERIAL		QTY	PRICE	TOTAL

LAWN MATERIALS				
MATERIAL	QTY	PRICE	TOTAL	
HARD MATERIALS				
MATERIAL	QTY	PRICE	TOTAL	
LABOR				
LABOR	# OF WORKERS	HOURS	*	TOTAL
DESIGN/PLANNING				
GRADING				
SOIL PREP				
PLANTING				
EDGING/BORDERS				
FERTILIZER				
FABRIC				
SEED				
STONE WALLS				
WALK WAYS				
INSTALL PONDS				

IRRIGATION				
DUMPING				
MISCELLANEOUS				
TOTALS				
TOTAL PLANTS				
TOTAL MATERIALS				
TOTAL LANDSCAPING FABRIC/EDGING				
TOTAL LAWN MATERIALS				
TOTAL HARD MATERIALS				
DELIVERY CHARGE				
EQUIPMENT CHARGE				

LANDSCAPE DESIGN MENTOR VERIFICATION

Student(s) involved (please print)

Signature of student(s)

Date

TSA chapter advisor (printed name and signature)

Date

Name of mentor (please print)

Occupation (please print)

Employer (please print)

Signature of mentor

Date

LANDSCAPE DESIGN					
OFFICIAL RATING FORM					
Documentation (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 far right. The X1, X2 or X3 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; and "adequate" score of 7 for an X3 criterion = 21 points.)					
Portfolio components (X1)	Portfolio is unorganized and/or is missing three or more components.	Portfolio is missing one or two components, and/or it is loosely organized, and/or it lacks sufficient content.	All components are included in the portfolio; content and organization are excellent.		
Description of client needs (X1)	The description of the client needs is unclear or vague, and/or major grammatical/spelling errors are evident.	The description of the client needs is unclear or vague, and/or contains some grammatical/spelling errors.	The description of the clients needs are clear, concise and convincing, and without grammatical or spelling errors.		
Schedule of landscape materials (X1)	Many elements of the design finish schedules are missing or incomplete.	Most, but not all elements of the schedule are included.	All landscape materials are included with appropriate information in tables used in the field.		
Set of Working Drawing (X3)	A few of the required drawings are present, but they are lacking in quality.	Most, but not all, of the required drawings are included and are in the proper format.	All required drawings are included and are exemplary in format.		
Pictorial(s) (X2)	The drawing is missing or poorly executed and does not use appropriate/necessary details or the design challenge.	The drawing is included, but it is missing some key element/details of the design challenge.	The drawing completely and effectively represents all aspects of the design challenge, including necessary details.		
Resources/references (X1)	There is little or no effort to provide resources and references.	Resources and references included are generally presented appropriately.	There is clear evidence of the appropriate use of applicable resources and references.		
Plan of Work log (X1)	The Plan of Work log lacks major elements of the plan documentation.	The Plan of Work log is somewhat complete, and generally reflects the time and work necessary for the project.	The Plan of Work log completely and accurately reflects the time and energy necessary for the project.		
SUBTOTAL (100 points)					
Landscape Design (40 points)					
Effectiveness of design (X2)	The design is ineffective in meeting the needs of the client.	The design is somewhat effective in meeting the needs of the client.	The design is exemplary and clearly effective in meeting the needs of the client.		

Aesthetic appeal (X1)	There is little evidence of consideration of aesthetics and appeal in the design.	There is some evidence that aesthetics and appeal have been considered in the design.	There is clear evidence that aesthetics and appeal are fully and effectively integrated in the design.		
Creativity (X1)	The design lacks originality and exhibits few, if any, creative and/or innovative applications.	Some unique, innovative, and creative concepts are incorporated in the overall design.	Unique and creative approaches have been incorporated into the design.		
SUBTOTAL (40 points)					
Video Presentation (60 points)					
CRITERIA	Minimal performance 1-4 points	Adequate performance 5-8 points	Exemplary performance 7-10 points		
Organization (X1)	Participants seem unorganized and unprepared for the presentation.	Participants are generally prepared for the interview and somewhat organized in their overall presentation.	Participants' presentation is logical, well organized, and easy to follow.		
Knowledge (X2)	Participants seem to have little understanding of the concepts of their design challenge.	Participants have a general understanding of the concepts of the design challenge.	Participants show clear evidence of a thorough understanding of the design challenge.		
Articulation (X1)	The presentation is full of illogical thoughts that lack understanding and clarity.	The presentation is somewhat logical and easy to understand and follow.	The presentation provides a clear, concise, and easy-to-follow description of the project.		
Delivery (X1)	Participants are verbose and/or illogical in their presentation.	Participants are logical and fairly well spoken.	Participants are logical, well-spoken, and distinct throughout the presentation.		
Team participation (X1)	Only one person on the team communicates.	Most members of the team participate and generally seem to understand the event.	All team members participate with mutual understanding of the event.		
SUBTOTAL (60 points)					
<p>Rules violations (a deduction of 20% of the total possible points) must be initialed by the evaluator, coordinator, and manager of the event. Record the deduction in the space to the far right.</p> <p>Indicate the rule violated: _____</p>					
(To arrive at the TOTAL score, add any subtotals and subtract violation points, as necessary. Check your math twice!)					
Comments:					
Print Name _____ Signature _____					