

CONSTRUCTION CHALLENGE

2022 & 2023 OFFICIAL RATING FORM MIDDLE 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.

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- Model/prototype and display are present
 Documentation portfolio is present
 ENTRY NOT EVALUATED

TIER 1 – MODEL/DISPLAY (40 points)				Record scores in the column spaces below.
CRITERIA	Minimal performance	Adequate performance	Exemplary performance	
	1-4 points	5-8 points	9-10 points	
Model (X2)	Model is sloppy and does not represent the project.	Model has some design flaws, but it represents the project.	Model has a high quality of craftsmanship and clearly depicts the project.	
Display (X2)	Display is sloppy and does not represent the project.	Display has some design flaws, but it represents the project.	Display has a high quality of craftsmanship and clearly depicts the project.	
TIER 1 – MODEL/DISPLAY SUBTOTAL (40 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: _____				
TIER 1 – SUBTOTAL (40 points)				

TIER 2 – DOCUMENTATION PORTFOLIO (60 points)				Record scores in the column spaces below.
CRITERIA	Minimal performance	Adequate performance	Exemplary performance	
	1-4 points	5-8 points	9-10 points	
Portfolio Contents (X1)	Portfolio is unorganized and/or is missing three (3) components.	Portfolio is generally organized but is missing two (2) components.	Portfolio content and organization are clearly evident; one (1) or no components may be missing.	
Plan of Work Log (X1)	Log is poorly organized and/or incomplete.	Log is adequately detailed, generally organized, and contains all the required components.	Log is well documented and contains all the required components.	

TIER 2 – DOCUMENTATION PORTFOLIO (60 points) – continued				
Project Journal (X1)	Little or no student involvement is evident in the project; work is unorganized and/or sloppy.	Community letters, photos, and/or news clippings documenting student involvement in the project are included in the portfolio.	A well-organized and thorough documentation of student involvement, from inception to completion of the project, is included in the portfolio.	
Photo Timeline (X1)	Photo timeline is sloppy and/or unorganized and hard to read and understand; key dates are missing.	Photo timeline is formatted in a somewhat organized manner and is generally easy to read/interpret; it includes most key dates.	Photo timeline has all key dates listed from inception to completion; the timeline is creative and organized.	
Identification of Community Need and Community Impact (X1)	Identification of the community need and impact lacks clarity; wordy, illogical, unorganized explanations are included.	Identification of the community need and impact is generally organized, with a mostly logical explanation and concisely written information.	Clear and concise identification of the community need and impact is evident, with a logical explanation related to the need.	
Strategies and Recommendations (X1)	Two (2) or fewer strategies/recommendations are presented; they are not well-connected to the community need identification.	Two (2) or more strategies/recommendations are presented; some are connected to the research collected.	Three (3) or more strategies/recommendations are presented, all of which are connected to the research that was collected and analyzed.	
TIER 2 – DOCUMENTATION PORTFOLIO SUBTOTAL (60 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 (100 points)

SEMIFINAL PRESENTATION/INTERVIEW (50 points)				
CRITERIA	Minimal performance	Adequate performance	Exemplary performance	
	1-4 points	5-8 points	9-10 points	
Organization (X1)	Participants seem unorganized and unprepared for the presentation/interview; an illogical explanation of the need and solution is presented.	Participants are generally prepared for the presentation/interview; an acceptable explanation of the need and solution are communicated.	Presentation/interview is logical, well organized, and easy to follow; the need and solution are communicated in an organized and concise manner.	Record scores in the column spaces below.
Knowledge (X2)	Participants seem to have little understanding of the concepts in their project; answers to questions may be vague.	Participants exhibit a general understanding of the concepts in their project.	Participants show clear evidence of a thorough understanding of the project.	
Articulation (X1)	Communication of the design process is unclear, unorganized, and or illogical; leadership and/or 21 st century skills are not evident.	Communication of the design process is somewhat logical and clear; leadership and/or 21 st century skills are somewhat evident.	Communication of the design process is clear, concise, and logical; leadership and/or 21 st century skills are clearly evident.	
Team Participation (X1)	The majority of the delivery is made by one member of the team; the partner(s) may be disengaged from the presentation/interview.	Team members generally are engaged in the presentation/interview, though one (1) member may take on more responsibility than the other(s).	All team members are actively involved in the presentation/interview and responses to questions; there is shared responsibility between team members.	

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SEMIFINAL PRESENTATION/INTERVIEW 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: _____

SEMIFINAL SUBTOTAL (50 points)

To arrive at the **TOTAL** score, add any subtotals and subtract rules violation points, as necessary. **TOTAL (150 points)**

Comments:

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

JUDGE

Printed name: _____ Signature: _____