

Terra Fairs Research / Engineering Design Judging Rubric

CRITERIA	0	1	2	3	4
Written Report Title, Topic, Bibliography	No report	Incomplete report	Complete report	Well-written report	Not applicable
Exhibit Presentation Title, Topic, Key Theoreticians or Researchers, Model (if used), Photos or Illustrations (if appropriate)	No Poster	<ul style="list-style-type: none"> Identifies few components of Poster Components are not easily understood Components are not relevant to project 	<ul style="list-style-type: none"> Identifies most components of Poster Most components are easily understood Most components are relevant to project 	<ul style="list-style-type: none"> Clearly identifies all components of Poster All components are easily understood All components are relevant to project 	Not applicable
Oral Presentation	<ul style="list-style-type: none"> No evidence of planning and organization Is not able to orally communicate about subject 	<ul style="list-style-type: none"> Little evidence of planning and organization Able to communicate little understanding of the subject 	<ul style="list-style-type: none"> Some evidence of planning and organization Able to communicate some understanding of the subject 	<ul style="list-style-type: none"> Carefully plans and organizes information in presentation Clearly communicates information on subject Utilizes visual tools in explaining subject 	<ul style="list-style-type: none"> Thoroughly plans and organizes information in presentation Clearly & confidently communicates subject Utilizes several visual tools in explaining subject
Understanding of Scientific/ Engineering Principle(s)	No understanding	Little understanding of the principle	Some understanding of the principle	<ul style="list-style-type: none"> Shows a clear understanding of the principle Clear control to experiment 	<ul style="list-style-type: none"> Shows extensive knowledge of the principle Clear control to experiment
Ability to Answer Questions	Cannot answer grade-level appropriate questions about subject	Is able to answer few grade-level appropriate questions about subject	Is able to answer some grade-level appropriate questions about subject	Is able to clearly and correctly answer most grade-level appropriate questions about subject	Is able thoroughly, clearly, and correctly to answer all grade-level appropriate questions about subject

Bonus Points: Creative approach to presentation – 1 point
 Definite awareness of how the subject fits within overall science/engineering area – 1 point
 Definite plan for future research based on this literature review and project – up to 2 points
 Demonstration of advanced technical or laboratory techniques and skills – up to 2 points
 “New territory” in terms of scientific investigation or engineering design – up to 3 points

Debit Points: Any evidence of excessive quotation (lack of processing information into one’s own words; no effort evidenced that student[s] sought multiple sources for information) – up to 2 points
 Lack of citation of primary source – 1 point

Debit Points For Teams: Unequal teamwork – up to 2 points

Removal: Any evidence whatsoever of plagiarism by an individual or team

Topic Presentation Judging Form

Student Sticker

Directions: Check HERE _____ that NO DATA/RESULTS are reported!
If you see evidence of data, request official review!



Circle ONE in each row.

Place sticker here		Not seen	Seen to some extent	Outstanding
	Scientific understanding	0	1	2
	Creativity	0	1	2
	Oral presentation skills	0	1	2
	Quality visual presentation	0	1	2
	Ability to answer questions	0	1	2

Add or deduct points below if appropriate

* Extra point: Has developed a research question +1

* Deducted point: No citations given for information -1

TOTAL

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Place sticker here		Not seen	Seen to some extent	Outstanding
	Scientific understanding	0	1	2
	Creativity	0	1	2
	Oral presentation skills	0	1	2
	Quality visual presentation	0	1	2
	Ability to answer questions	0	1	2

Add or deduct points below if appropriate

* Extra point: Has developed a research question +1

* Deducted point: No citations given for information -1

TOTAL