

TTRSF 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	
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 	<ul style="list-style-type: none"> ·
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	Is not able to 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