

STEM Fair Rubric – Engineering

Students' Names: _____ Judge's Name: _____

Project Title: _____

	Excellent/Expert	Good/Proficient	Fair/Attempted	Not Present
Problem / Title	<ul style="list-style-type: none"> ● Problem well defined and addresses a need ● Title neat and attractive ● Solution sensible and unique 	<ul style="list-style-type: none"> ● Problem defined ● Title mostly neat and attractive 	<ul style="list-style-type: none"> ● Problem poorly defined ● Title misspelled, does not make sense, and/or is difficult to read 	<ul style="list-style-type: none"> ● No attempt to define the problem
Plan & Design	<ul style="list-style-type: none"> ● Design process well documented and well thought out ● Brainstorming present, thorough ● Creativity evident 	<ul style="list-style-type: none"> ● Design process well documented with minor flaws ● Brainstorming and creativity evident 	<ul style="list-style-type: none"> ● Design process contains major flaws ● Limited evidence of brainstorming and creativity 	<ul style="list-style-type: none"> ● Major components of design process missing
Model	<ul style="list-style-type: none"> ● Physical or picture prototype ● Model helps viewer understand innovation/invention ● Neat, unique, lifelike 	<ul style="list-style-type: none"> ● Physical or picture prototype ● Model mostly allows viewer to understand innovation ● Neat, mostly unique, lifelike 	<ul style="list-style-type: none"> ● Physical or picture prototype ● Model somewhat explains innovation but leaves unanswered questions 	<ul style="list-style-type: none"> ● Prototype missing
Conclusions	<ul style="list-style-type: none"> ● Model tested and successful ● Improvements / next steps present and thoughtful 	<ul style="list-style-type: none"> ● Model tested and mostly successful ● Some improvements considered 	<ul style="list-style-type: none"> ● Model tested but does not solve problem ● Poor consideration of future improvements 	<ul style="list-style-type: none"> ● Conclusion or improvements for future missing
Poster Presentation	<ul style="list-style-type: none"> ● Logical organization ● Clarity of graphics ● Supporting documentation displayed 	<ul style="list-style-type: none"> ● Display mostly neat and understandable ● Includes most necessary information 	<ul style="list-style-type: none"> ● Display somewhat difficult to read/understand ● Minor components missing 	<ul style="list-style-type: none"> ● Unorganized ● Major components missing
Speech & Interview	<ul style="list-style-type: none"> ● Speaker clear and understandable ● Thoroughly explains how invention works to solve problem ● Speaker able to answer questions 	<ul style="list-style-type: none"> ● Speaker mostly clear and understandable ● Speaker can answer most questions 	<ul style="list-style-type: none"> ● Speaker unclear or volume too low ● Speaker can answer some questions 	<ul style="list-style-type: none"> ● Speaker unable to explain project

Comments: