

STEM Fair Rubric – Scientific Method

Students' Names: _____ Judge's Name: _____

Project Title: _____

	Excellent/Expert	Good/Proficient	Fair/Attempted	Not Present
Title/Question	<ul style="list-style-type: none"> ● Clear & focused purpose ● Title spelled correctly, easy to read, unique, neat and attractive 	<ul style="list-style-type: none"> ● Title spelled correctly, easy to read, and somewhat neat/attractive 	<ul style="list-style-type: none"> ● Title/Question misspelled, not answerable or does not fit with experiment performed 	<ul style="list-style-type: none"> ● No attempt to define a research question
Design & Methodology	<ul style="list-style-type: none"> ● Hypothesis/Prediction appropriate ● Procedures well-designed, logical ● Materials listed ● Variables and controls appropriate 	<ul style="list-style-type: none"> ● Minor flaws but attempt at hypothesis, procedures, materials, variables and controls present 	<ul style="list-style-type: none"> ● Method inappropriate ● Minor components missing or incomplete 	<ul style="list-style-type: none"> ● Major components missing
Experiment & Data	<ul style="list-style-type: none"> ● Hypothesis tested following procedures ● Sufficient data ● Appropriate graphs/tables/charts 	<ul style="list-style-type: none"> ● Graphs/tables/charts and measurements mostly accurate and appropriate ● Minor flaws 	<ul style="list-style-type: none"> ● Major errors or flaws in techniques or accuracy ● Too few trials or sample size too small 	<ul style="list-style-type: none"> ● No techniques reported ● No accuracy in measurements
Analysis & Conclusion	<ul style="list-style-type: none"> ● Patterns/trends well described ● Conclusion stated, supported by data, related to original question ● Hypothesis proved right or wrong 	<ul style="list-style-type: none"> ● Analysis and conclusions present and mostly well described 	<ul style="list-style-type: none"> ● Significant flaws in analysis or conclusions 	<ul style="list-style-type: none"> ● Major components 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 ● Demonstrates strong understanding 	<ul style="list-style-type: none"> ● Speaker mostly clear and understandable ● Speaker can answer most questions 	<ul style="list-style-type: none"> ● Speaker can answer some questions ● Some misconceptions about science related to project 	<ul style="list-style-type: none"> ● Speaker unable to explain project

Comments: