

## Epic STEM Fair Judging Rubric

Scientist's Name or Team Name:		Grade:	Teacher / Parent:			
Category:						
Project Title:						
		Superior	Above Average	Average	Below Average	Minimal
<b>Scientific Method</b>		<b>35 points</b>				
Presented a question that could be answered through experimentation.						
Student can identify the independent (manipulated), dependent (responding) and controlled variable(s) in their project.						
Clear procedural plan for testing the hypothesis including a list of materials.						
The conclusions are based on multiple trials (at least 3) and adequate subjects were used.						
There was adequate data to support a conclusion.						
Complete and thorough data (logs, graphs, tables, photos, etc.)						
Ideas stated for what future research is warranted.						
<b>Scientific Knowledge</b>		<b>20 points</b>				
A minimum of 3 authoritative sources for background research were used.						
Used scientific principles and/or mathematical formulas correctly.						
Results and conclusions show a clear and accurate understanding of knowledge gained and key scientific concepts relating to the experiment.						
Student suggests changes to the experimental procedure and /or possibilities for further study while evaluating the success and effectiveness of the project.						
<b>Presentation</b>		<b>30 points</b>				
Neat, well-organized, and visually appealing.						
The important phases of the project were presented in an orderly manner.						
Pictures and diagrams effectively convey information about the project and are labeled.						
Included a complete and detailed lab notebook.						
Presenter is able to answer questions related to the project.						
Student presents relevance of project.						
<b>Simplicity</b>		<b>15 points</b>				
Clarity of overall project.						
Original topic or approach.						
Shows enthusiasm and interest in the project.						
<b>Subtotal:</b>						
<b>Total:</b>						
Judge's name (printed):		Signature				

