

Project Title: \_\_\_\_\_

Project Number \_\_\_\_\_ Judge \_\_\_\_\_

High ----- Low

<b>Pasco County Elementary STEM Fair Rubric</b>		<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>
<b>Creative Ability/Originality</b>					
<b>1</b>	There was an original question asked or problem trying to solve is not common knowledge				
<b>2</b>	The student identified a variety of sources to guide their research				
<b>3</b>	The procedure was created by the student				
<b>4</b>	The student utilized the scientific method and/or engineering design process in experimentation rather than only descriptions and observations				
<b>Scientific Thought</b>					
<b>1</b>	The scope of the study was within the student's ability				
<b>2</b>	Extensive testing or experimentation was used throughout the investigation				
<b>3</b>	Scientific research was conducted (analyzing text, interviewing experts, etc.)				
<b>4</b>	The data collected relates to the thinking around the hypotheses				
<b>5</b>	The student can explain why data supported, or failed to support, their hypotheses				
<b>Thoroughness</b>					
<b>1</b>	The student identified the control group for their hypothesis				
<b>2</b>	The procedure was detailed, and could be easily replicated				
<b>3</b>	Both the dependent and independent variable were defined				
<b>4</b>	A minimum of 5 trials were conducted for each hypothesis				
<b>5</b>	The abstract includes purpose, procedure, data, and conclusions				
<b>Skills</b>					
<b>1</b>	Data measurements were done precisely				
<b>2</b>	Safety protocols were appropriate, and can be explained by the student				
<b>3</b>	Technical problems were overcome and not merely avoided				
<b>4</b>	The Research Plan was thoroughly completed and a log may be needed to more effectively communicate, procedures, data, conclusions and thinking.				
<b>5</b>	This project exhibits the students work and excessive help was not utilized				
<b>Communication</b>					
<b>1</b>	The student is able to explain what was done				
<b>2</b>	The student can defend the connection between their results and conclusions				
<b>3</b>	The student can explain where the research can lead in the future				
<b>4</b>	The student can relate their research to the real world				
<b>5</b>	The student anticipated problems and is able to identify potential sources of error				
<b>Initial Total (Out of 72)</b>					
<b>Additional STEM Bonuses</b>					
<b>S</b>	The project has the potential to dramatically impact a field of science				
<b>T</b>	The student utilized technology in the design, implementation or analysis of the project				
<b>E</b>	A new methodology, formula or tool was created to conduct the investigation.				
<b>M</b>	Mathematical approaches were used to help guide the development of the investigation or analysis of data.				
<b>STEM Total (Out of 12)</b>					
<b>Grand Total (Out of 84)</b>					

Recommended Place: 1<sup>st</sup> 2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> Recommend for State: Yes No With Reservations