

# 3<sup>rd</sup> - 5<sup>th</sup> Science Fair ASE Competition RUBRIC

Name \_\_\_\_\_ Project Title \_\_\_\_\_

	<b>Missing 0</b>	<b>Beginning 1</b>	<b>Developing 2</b>	<b>Accomplished 3</b>	<b>Excellent 4</b>	Score
<b>Effort</b>	Did not do a project	Many parts missing or very simple	Most or all parts present, but easy project that did not require that much time	Most parts present- spent some time on the project	All parts present: obviously spent a large amount of time on project, board, report and abstract	
<b>Question</b>	Missing	Incomplete, not in question form	A basic question, below their abilities	Used a question that shows how it relates to the topic	Stated in question form and examples are given	
<b>Hypothesis</b>	Missing	A guess	Gives an educated guess	Used an if, then, because statement	Used an if, then, because statement and gave a reasonable outcome	
<b>Variables</b>	Missing	Project has too many variable or was only a demonstration	Project used the scientific method, but used variable incorrectly	Project used the scientific method and used variables correctly	Project used scientific method, used variables correctly and methods were explained clearly	
<b>Materials</b>	Missing	Incomplete materials	Listed materials but no quantity or units given, missing some materials	Listed materials and quantity but no units	All materials are listed with quantity and units	
<b>Procedure</b>	Missing	Basic Procedures not enough detail	Lists the step by step but several steps <u>missing</u>	List step by step but one or two steps <u>missing</u>	Detailed step by step procedure that could be repeated by another scientist	
<b>Results w/3 trials</b>	Missing	Incomplete Not all results recorded	Some results but only one trial <b>or</b> inconsistent with intent	Tables and figures incomplete <b>or</b> with errors, did more than one trial	Tables and graphs were computer generated, a minimum of 3 trials	
<b>Conclusion</b>	Missing	Incomplete did not mention of hypothesis	Conclusion not reasonable	Conclusion states if hypothesis was correct or not	Conclusion states if hypothesis was predicted correctly based on research, explains result and draws logical conclusion	

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<b>Abstract</b>	Missing	Unorganized with some parts of experiment covered	Does not cover everything that happened during experiment	Some details missing, <b>or</b> too many details length is long	States hypothesis, summarizes procedures, and writes conclusion, less than 250 words	
<b>Report</b>	Missing	Hand written and /or incomplete	Missing parts or does <b>not</b> show complete understanding	Some missing parts, but does show complete understanding	All parts are present and correctly done with clearly stated thoughts which related to the project	
<b>Display Board</b>	Missing	Illegible, hand written, incomplete no pictures	Required topics but does <b>not</b> show correct understanding	Some pictures and most components on display board, shows correct understanding	Typed and well organized, all required categories with pictures and appealing colors and design of the board	
<b>Oral Presentation</b>	Missing	No evidence of a clear design of project	Missing some categories or cannot be heard when speaking	Explains the project, but cannot explain results	Speaks loud and clear, answers questions about project and future ideas	
<b>Presentation Creativity</b>	Missing	Fair	Good	Very Good	Over the Top Very Well Done	
					<b>Score total =</b>	