

### 3<sup>rd</sup>- 5<sup>th</sup> ASE Scientific Method Project 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	
<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 correctly	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 given	Listed materials and quantity but no units	All materials are listed with quantity and units	
<b>Procedure</b>	Missing	Basic Procedures not enough details	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	
					<b>Score Total =</b>	