

Project Elements	Description of Criteria	Possible Score	Score
DISPLAY BOARD - SCIENTIFIC PROCESS:			
Title & Description	Title of project and overview of project	0-5	
Testable Question & Hypothesis	Testable Question: Asks a specific, measurable, cause & effect question or clear purpose of project. Hypothesis: Expresses a reasonable prediction about how specific changes affect the expected outcome.	0-5	
Background	History – highlights important people or discovery Significance – explain importance of this project Facts-tells what is known about the topic and explains major terms & definitions Method-tells how this topic has been studied before (steps, equipment, measurement). Bibliography-Includes at least 3 sources	0-10	
Trials	At least 3 trials are indicated.	0-5	
Procedure & Conditions	Describe process for Experiment. Includes step-by-step process of Experiment. Independent/dependent/control variables are discussed throughout. Variables are clearly defined (independent, controlled, dependent). May be worded as “What I changed,” “What I kept the same,” and “What I measured.” Includes when, where and how of study. High score would indicate that the project can be repeated after reading.	0-15	
Data and identification	<ul style="list-style-type: none"> Use photos/illustrations/graphs to show Experiment. All data should be clearly labeled and identify the Experiment. Graphs should contain title, x and y axis labeled and intervals are equal. Demonstrates appropriate application of mathematical and statistical methods. High score shows data is clear, accurate, detailed and the parts are well labeled. <p><i>(Note to student: Items that are valuable or valued by the student are not to be displayed – use photos/illustrations instead)</i></p>	0-15	
Conclusion & Reflection	Reflects what the student has learned. Were there any surprises? What would you do differently or to continue the project? Includes statement answering problem and hypothesis.	0-10	
LOGBOOK:			
Signed Safety Form & guidelines	All projects are required to have a signed safety form (placed on the inside cover of log book). Students should also provide detailed descriptions on how they followed the safety guidelines in their logbook.	0-10	
Dated Entries	High score indicates that student has written process, observations and data in log book during experiment. Clearly written with dates and comments.	0-15	
OVERALL CREATIVITY/INNOVATION/ENGAGEMENT:			
Creativity/Innovation/Engagement	Student demonstrates an understanding of the subject matter or innovative/creative way of approaching their project.	0-10	
Total Possible Score		0-100	
TOTAL SCORE: _____			