

Circle the scores provided by evaluating each area and using the following guideline:

- 1/2/4 – Missing or poorly completing most elements
- 2/4/8 – Poorly completing most elements
- 3/6/12 – Requirements are met to a minimal extent
- 4/8/16 – Most elements are adequately present with a few weak points
- 5/10/20 – All elements are adequately presented

I.	Log Book.....	4	8	12	16	20
	<ul style="list-style-type: none"> <li>• Resources present</li> <li>• Pages numbered</li> <li>• Table of contents is present</li> <li>• Neatly written in ink and appears to be an original record</li> <li>• Entries dated and initialed with data recorded in tables</li> <li>• Adequately describes the procedure in step by step</li> <li>• Materials and equipment identified throughout descriptions</li> <li>• (MSDS) Materials Safety Data Sheets are present for all chemicals</li> <li>• Repetition is present</li> <li>• Extensive construction of new equipment (if applicable)</li> </ul>					
II.	Display Neatness/Creativity.....	1	2	3	4	5
	<ul style="list-style-type: none"> <li>• Display is neat, typed, orderly, and correct in layout</li> <li>• Display has trim, matting where appropriate, attachments are neatly attached</li> <li>• Good conventions (Grammar/Spelling)</li> <li>• <u>Name and school are NOT on the front of the board</u></li> </ul>					
III.	Project Info .....	1	2	3	4	5
	<ul style="list-style-type: none"> <li>• Title is clearly displayed, large, easily readable, and conveys topic</li> <li>• The abstract briefly summarizes the project                             <ul style="list-style-type: none"> <li>• The problem is unique and clearly stated</li> </ul> </li> <li>• The hypothesis correctly stated</li> </ul>					
IV.	Experimental Background .....	1	2	3	4	5
	<ul style="list-style-type: none"> <li>• Includes the background of the research</li> <li>• Variables are identified, explaining how they are controlled or measured</li> <li>• Focus remains on hypothesis through entire section</li> </ul>					
V.	Experimental Results.....	2	4	6	8	10
	<ul style="list-style-type: none"> <li>• Includes data collected in a clear table(s) and / or figures (graphs, pictures)</li> <li>• Tables and figures have legends, titles, and labels</li> <li>• Meanings are clearly explained</li> <li>• Multiple trials are present</li> <li>• Pictures of experimental setup are present.</li> </ul>					
VI.	Discussion (What you found and how you know).....	2	4	6	8	10
	<ul style="list-style-type: none"> <li>• In-depth analysis of results included</li> <li>• Explanations are reasonable and based on results</li> <li>• Tables and figures are referred to during the discussion</li> <li>• Lists possible sources of error</li> <li>• Ideas for improvement and changes are included</li> </ul>					
VII.	Conclusion .....	1	2	3	4	5
	<ul style="list-style-type: none"> <li>• Refers to the hypothesis</li> <li>• Answers Problem</li> </ul>					
VIII.	Application .....	1	2	3	4	5
	<ul style="list-style-type: none"> <li>• Explains importance of study to real life</li> <li>• Tells how study could be varied for further application</li> </ul>					

IX. Level of Complexity ..... 2 4 6 8 10

- The experimental procedure had a high level of difficulty
- A great amount of time and effort was put into the project

Total Score \_\_\_\_\_ / 75

Only completed projects will be graded!

All Students must get a 75% or better to meet the Pennsylvania Science and Technology Standards. Scores lower than 75% must remediate their project. Students entering the York County Science & Engineering Fair must update their projects to an 80% or better before proceeding to the fair.