

## Science Fair Final Assessment Criteria

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

Students receive 2 marks for completely fulfilling an aspect, 1 mark for partially fulfilling it and 0 marks for failing to fulfill the aspect.

| <u>Criterion</u>                                   | <u>Aspect 1</u>   | <u>Aspect 2</u>   | <u>Aspect 3</u>  |
|--|---|---|--|
| <b>General<br/>(1-11)</b>                          | Writes in narrative voice without grammar or spelling errors.<br><br>2 1 0  | Background research is thorough. Scientific understanding of topic is clear.<br><br>2 1 0   | Citations in proper APA format. Bibliography is correct and present.<br><br>2 1 0                          |
| <b>Design<br/>(3-8)</b>                            | Formulates a focused problem/research question. (Purpose and Hypothesis)<br><br>2 1 0   | Correctly identifies all variables. Identifies Experimental Group(s) and Control if appropriate (Variables)<br><br>2 1 0                  | Designs a method for effective control of the variables. (Materials, Safety and Procedure)<br><br>2 1 0    |
| <b>Data Collection/<br/>Processing<br/>(9, 10)</b> | Records appropriate quantitative and qualitative data, including units. (Data Tables)<br><br>2 1 0  | Data is processed. Any formulas used are included. (Analysis and Calculations)<br><br>2 1 0   | Graphs data accurately and in correct format. (Analysis and Calculations)<br><br>2 1 0                     |
| <b>Conclusion and<br/>Evaluation<br/>(11)</b>      | States a conclusion based on data. Supports or rejects hypothesis.<br><br>2 1 0   | Findings and trends are explained thoroughly using scientific background information. Impact on the real world is discussed.<br><br>2 1 0 | Evaluates weaknesses of the experiment and suggests possible improvements and future studies.<br><br>2 1 0 |
| <b>Presentation and<br/>Backboard</b>              | Sufficiently presents experiment's procedure and results. Photographs are present. Is able to thoroughly answer all questions.<br><br>2 1 0 | Report is well displayed and easily read from a distance. Graphs and tables are well labeled and easily read.<br><br>2 1 0                | Board is neat and contains all required sections. Shows time and effort.<br><br>2 1 0                      |