Science Fair Grading Rubric (6th Grade)

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Project Title:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- | --- | --- | --- |
|  | 6 | 4 | 2 | 0 |
| **TITLE PAGE** | The student included a properly formatted title page. The student included name, title of project, grade, and school name. | The student included a title page that was incorrectly formatted or was missing the grade level and/or school name. | The student included a title page that was incorrectly formatted or was missing their name and/or title. | The student had no title page. |
| **ABSTRACT** | The abstract was no more than 250 words and gave a summary of the ENTIRE investigation. The abstract included the problem or question, hypothesis, procedures, data/results, and conclusion. | The abstract was no more than 250 words and gave a summary of the investigation. The abstract was missing 1-2 pieces of information. | The abstract was missing 3 pieces of information. | The abstract was missing more than 3 pieces of information or was not included in the report. |
| **INTRODUCTION/REVIEW OF PRIOR RESEARCH** | The student conducted research pertaining to the investigation and used at least 3 RELIABLE sources. The student cited the sources using MLA format. | The student conducted research and used 3 sources. The student cited the sources using MLA format. | The student conducted research using less than 3 sources. The student cited the sources but did not use MLA format. | The student did not do any research on the investigation or did not include it in the report. |
| **MATERIALS AND METHODS (PROCEDURES)**  The purpose of the procedures is to describe, **in detail**, everything you did in the experiment so that if I wanted to test it for myself I could follow your instructions and have similar results. | The student included a list and amount of materials used. The student included ALL of the procedures they did during the investigation. Procedures are described in a paragraph form. | The student included a list of materials used but not the amount of materials used. The student included MOST of the procedures they did during the investigation in paragraph form. | The student included a list of materials. The student included procedures but not in paragraph form. | The student did not include the materials and procedure. |
| **PICTURES** | The student included 6 pictures taken while doing the project. | The student included 3-5 pictures taken while doing the project. | The student included 1-2 pictures taken while doing the project. | The student did not include pictures. |
| **RESULTS** | The student included the charts they used to collect their raw data. The student included the averaged data on a chart. The student included a graph of the averaged data. The student included important qualitative observations and only discusses the facts. | The student included the charts they used to collect their raw data. The student included a graph of the averaged data. The student included important qualitative observations and only discusses the facts. | The student included the charts they used to collect their raw data. The student included a graph. The student included important qualitative observations. | The student was missing the majority of their raw data or included only the averaged data. |
| **DISCUSSION/**  **CONCLUSION** | The student restated the purpose of the investigation and stated whether the hypothesis was supported or disproved. The student explained the results and identified problems or discrepancies within the investigation. The student suggested ways to correct the discrepancies and ways to further investigate. | The student restated the purpose of the investigation and stated whether the hypothesis was supported or disproved. The student explained the results but may not have identified problems or suggested ways to correct the problems or further the investigation. | The student restated the purpose of the investigation and stated whether the hypothesis was supported or disproved. The student did not explain the results. | The student did not restate the purpose or state whether the hypothesis was supported or disproved. |
| **WORKS CITED (MLA FORMAT)** | The student included a works cited paged in correct MLA format. | The student included a works cited page with 1-3 mistakes. | The student included a works cited page with 4-6 mistakes. | The student did not include a works cited page or made 7 or more mistakes. |
| **NEATNESS/**  **ORGANIZATION** | The paper is in order and does not contain any extra pages and should be **8-15 pages in length**. The report is contained within a 3 prong folder. | The paper is in order and either did not meet length requirements or exceeded length requirements. It is in a 3 prong folder. | The paper is in order but was not in a 3 prong folder. | The paper was not in order. |
| **FORMAT OF PAPER**  Times New Roman font; 12 point; double spaced; 1” margins; written in 3rd person. | The paper was completed using MLA requirements. | The paper was incorrect on 1 element. | The paper was incorrect on 2 elements. | The paper was incorrect on 3 or more elements. |
| **SPELLING AND GRAMMAR** | The paper had no grammatical mistakes. | The paper had 1-6 grammatical mistakes. | The paper had 7-12 grammatical mistakes. | The paper had 13 or more grammatical mistakes. |
| **CONTROLLED EXPERIMENT** | The investigation was a controlled experiment with one control group and only one independent variable. |  |  | The investigation was not a controlled experiment or had more than one independent variable. |
| **VALIDITY** | At least 3 trials were conducted. |  |  | Less than 3 trials were conducted. |