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| **Rubric Score Standard** | 10 | 6 | 2 |
| Identify Problem | Identified a question which they found interesting and testable; utilized literature search to develop a hypothesis which was reasonable. | Identified a question, which they found interesting and testable. | The purpose is incomplete, too easy to attain, or does not follow from your research. |
| Variables Clearly Defined | Variables which are to be changed (independent) and variables that are going to be measured are clearly defined and will result in a thorough study of the defined purpose. | Variables which are to be changed (independent) and variables that are going to be measured are clearly defined. | Variables which are to be changed (independent) and variables that are going to be measured are not clearly defined. |
| Hypothesis | Utilized Literature Search to develop a hypothesis which was reasonable and well substantiated with research. | Utilized Literature Search to develop a hypothesis which was reasonable. | Hypothesis is not complete or does not flow logically from research |
| Procedure | A well thought out, sequential (step-by-step) procedure is stated that ANYONE could look at and follow. It holds high promise for collecting the information sought. Measurements to be made are systematic and logically controlled (changing one variable at a time) and are repeated to improve reliability of data. | A well thought out, sequential (step-by-step) procedure is stated that ANYONE could look at and follow. It holds high promise for collecting the information sought. The measurements to be made are systematic and logically controlled (changing one variable at a time). | The procedure is incomplete, not sequential, or takes effort on the part of the reader to follow. It may not be systematic or logically controlled (perhaps your group has defined many variables to vary at once and have not clearly decided how to measure all variables.) |
| Data Interpretation Plan | Plans for displaying the collected data are clearly laid out. Thoughts for ambitious analysis of data (graphical analysis, etc.) are clearly communicated. | Plans for displaying the collected data are clearly laid out. Thoughts for thorough analysis of data (graphical analysis, etc.) are clearly communicated. | The plan is incomplete or does not logically match with the data your group has decided to collect. |

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| Data Tables | Data tables are clearly labeled and in column form. Column headings are accompanied by units.Data is logical with inconsistent data (resulting from inaccurate measurement techniques) identified and removed. | Data tables are clearly labeled and in column form. Column headings are accompanied by units.Data is logical. | Data tables are hard to follow, incomplete or missing. |
| Graphs or other means of analyzing results | Graphs accurately represent the data and are accurately interpreted in the conclusion. | Graphs accurately represent the data, but are not fully interpreted in the conclusion | Graphs are missing, incomplete or inaccurate. |
| Procedure and tested variable Summary | The project and tested variables are elaborately summarized. | The project and tested variables are briefly summarized. | The project and tested variables are not summarized completely or are not present. |
| Errors | Errors are clearly identified and the impact of these errors on data and conclusions are also identified and discussed. | Errors are clearly identified. | Errors are not clearly identified. |
| Project Extensions | Ideas for future study of the project's topic along with suggestions for the project's improvement are identified. | Ideas for future study of the project's topic are identified. | Few or no ideas for future study of the project's topic along with suggestions for the project's improvement are present. |