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| --- | --- | --- | --- | --- |
| Criteria & Rating | 4 | 3 | 2 | 1 |
| Purpose | Identified the purpose of the project clearly and concisely. | Identified the purpose of the project clearly. | Identified the purpose of the project. | Did not identify purpose. |
| Hypothesis | Clearly stated hypothesis including both variables and how they would change.  | Clearly stated hypothesis including both variables. | Clearly stated hypothesis. | Vague or no hypothesis. |
| Description of Procedure | Clearly and concisely outlined the procedure for creating their control and experimental samples. Emphasized the difference between samples. | Clearly and concisely outlined the procedure for creating their samples. | Clearly outlined the procedures for creating samples. | Did not outline the procedures for creating samples. |
| Data Collection | A clear and concise description of how they gathered/collected their quantitative data using the testing apparatus and light probe. Emphasized what variables they need to keep constant. | A clear and concise description of how they gathered/collected their quantitative data using the testing apparatus and light probe. | A clear description of how they gathered/collected their quantitative data using the testing apparatus and light probe. | A short description of how they gathered/ collected their quantitative data. |
| Results | Constructed a clear and complete data table with labels and units. Clearly stated a concise conclusion of their results using their data table. | Constructed a clear and complete data table with labels.Clearly stated a conclusion of their results using their data table. | Constructed a complete data table. Stated a conclusion of their results using their data table. | Missing or incomplete data table and conclusion.  |
| Participation | Everyone in the group participated in the presentation.  |  |  |  |
| Answered Questions | Everyone participated in answering questions | Half the group participated in answering questions | One person in the group answered all the questions |  |
| Total |  |  |  |  |

**Grading Rubric**