### 5th Grade Lab Report Rubric

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| |  |  |  |  | | --- | --- | --- | --- | | **Category** | **Indicators of Mastery** | **Points Possible:** | **Points Earned:** | |  | **Purpose** |  |  | | **Question** | · Question is clearly stated.  · Question is testable. | 5 |  | |  | **Hypothesis** |  |  | | **Hypothesis** | · Single sentence written in statement form.  If .. then.. or I think statement  · Is testable and measurable. | 5 |  | |  | **Experiment** |  |  | | **Variables** | · Independent Variable listed  · Dependent Variable listed  · Controlled Variable/Control listed | 6 |  | | **Materials** | · All equipment and materials are listed.  · Amount/quantity of each material included.  · Size(s) of equipment.material included.  · Not a numbered list. | 8 |  | | **Procedures** | · Specific and clear/easy to understand.  · Able to be duplicated.  · Numbered steps.  · Procedures include adequate sets of data and  trials. | 8 |  | |  | **Analysis** |  |  | | **Table of Data** | · All possible observations/ measurements are  included.  · Observations/ measurements are  specific/descriptive.  · Data table includes a title with both  variables.  · Data is correctly organized and labeled. | 8 |  | | **Calculations** | · All formulas, measurements and work  provided.  · Averages are used where appropriate. | 5 |  | | **Graph** | · Appropriate type of graph made for the data.  · Title reflects both variables.  · Variables are on the correct axis and labeled  with units.  · Numbered increments start at zero and are  equally spaced.  · Data plotted correctly. | 5 |  | |  | **Conclusion** |  |  | | **Claim** | · Addresses the question.  · Rejects or accepts the hypothesis. | 4 |  | | **Evidence**  **(3 statements)** | · Supports the claim.  · Addresses all variables.  · Compares Control with Independent Variable | 6 |  | | **Reasoning**  **(why?)** | · Reasoning is sound.  · Incorporates scientific vocabulary.  · Identifies any potential errors that may have  occurred. | 6 |  | |  | **Language** |  |  | | **Language Conventions** | · No errors in sentence structure.  · No spelling/grammatical issues.  · Proper use of Text Features (Bold, Italics,  underline, etc.) | 6 |  | | Teacher Comments: |  | Points  Possible:  70 | Points Earned: | |