**Investigation Report Rubric**

Score:

/64

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| --- | --- | --- | --- | --- |
| **Component**  **(x weight)** | **You Got This! (4)** | **Getting There… (3)** | **Needs Work. (2)** | **Where Is It? (1)** |
| **Title (x1)** | □ Title mentions both dependent and independent variables  □ Title page is given its own page  □ Title page includes student name, teacher name, and date | □ One of the three “You Got This!” indicators is missing or incorrect | □ Two of the three “You Got This!” indicators are missing or incorrect | □ This component is incomplete or inaccurate. |
| **Introduction (x3)** | □ Topic is well defined  □ Purpose of the experiment is stated and relevant  □ Research question is presented clearly  □ Research is cited using APA format  □ Research is complete and relevant to the experiment  □ Research is scientifically accurate  □ Overview of methods is given  □ Hypothesis is stated as an *if… then… because...* statement | □ Topic is defined  □ Purpose of the experiment is stated and mostly relevant  □ Research question is presented, but may be vague  □ Research is cited, but may not be in APA format  □ Some research may not be complete or relevant to the experiment  □ Research has some scientific inaccuracies  □ Overview of methods is given  □ Hypothesis is stated as an *if… then… because...* statement | □ Topic is unclear  □ Purpose of the experiment is not relevant, or is not stated  □ Research question is not presented clearly  □ Research is not cited  □ Some research may not be complete or relevant to the experiment  □ Research is not scientifically accurate  □ Overview of methods is not given  □ Hypothesis is not stated as an *if… then… because...* statement | □ This component is incomplete or inaccurate. |
| **Methods (x2)**  *(Procedure)* | □ Includes all information on procedure needed to test the hypothesis  □ Includes all relevant materials, measurements, and details  □ Experimental control is correctly identified  □ Written in paragraph form, passive voice, simple past tense | □ Includes most of the information on procedure needed to test the hypothesis  □ Includes most relevant materials, measurements, and details  □ Experimental control is correctly identified  □ Partially written in paragraph form, passive voice, simple past tense | □ Information on procedure is too incomplete to properly test the hypothesis  □ Materials, measurements, or details are too incomplete to replicate the experiment  □ Experimental control is not correctly identified  □ Not written in paragraph form, passive voice, simple past tense | □ This component is incomplete or inaccurate. |
| **Results (x2)** | □ Data is presented in both tables and graphs  □ Measurements and observations are complete and accurate  □ Tables and graphs are free of errors and contain titles, labels, and units  □ It is made very clear what the reader should be seeing when looking at tables and graphs | □ Data is presented in both tables and graphs  □ Measurements and observations are mostly complete and accurate  □ Tables and graphs have minor errors, or may be missing some titles, labels, or units  □ It is made somewhat clear what the reader should be seeing when looking at tables and graphs | □ Data is presented in a table or a graph, but not both  □ Measurements and observations are not complete and/or not accurate  □ Tables and graphs have are missing titles, labels, or units  □ It is not made clear what the reader should be seeing when looking at tables and graphs | □ This component is incomplete or inaccurate. |
| **Component**  **(x weight)** | **You Got This! (4)** | **Getting There… (3)** | **Needs Work. (2)** | **Where Is It? (1)** |
| **Discussion (x4)** | □ Purpose of the experiment is restated  □ Hypothesis is restated  □ Results are restated  □ Data is thoroughly analyzed by referring to multiple data points (numbers) from the tables and graphs  □ Trends or patterns are analyzed and discussed  □ The meaning or interpretation of the results is stated clearly  □ Justification is given for acceptance or rejection of the hypothesis based on evidence from the data  □ Data from multiple trials is compared to show validity of the results  □ Potential modifications to the experiment is discussed | □ Purpose of the experiment is restated  □ Hypothesis is restated  □ Results are restated  □ Analysis of data from the tables and graphs is limited  □ Discussion of trends or patterns is limited  □ The meaning or interpretation of the results is stated, but may not be clear  □ Justification for acceptance or rejection of the hypothesis based on evidence from the data is limited  □ Data from multiple trials is compared, but no mention is made of the validity of the results  □ Potential modifications to the experiment is discussed | □ Purpose of the experiment is not restated  □ Hypothesis is not restated  □ Results are not restated  □ Analysis of data is general and does  □ No discussion of trends or patterns  □ The meaning or interpretation of the results is not stated  □ No use of evidence from the tables or graphs to justify the acceptance or rejection of the hypothesis  □ Data from multiple trials is not be compared  □ Potential modifications to the experiment is not discussed | □ This component is incomplete or inaccurate. |
| **References (x1)** | □ At least six reputable sources are used  □ Reference page is a separate page at the end  □ References are all in APA format  □ References are in alphabetical order | □ Only five reputable sources are used  □ One of the other three “You Got This!” indicators is missing or incorrect | □ Less than five reputable sources are used  □ Two of the other three “You Got This!” indicators is missing or incorrect | □ This component is incomplete or inaccurate. |
| **Scientific**  **Writing (x1)** | □ All components are written in past tense    □ Proper use of scientific language | □ Most components are written in past tense    □ Some misuse of scientific language | □ Some components are written in past tense    □ Scientific language is not properly used | □ This component is incomplete or inaccurate. |
| **Scientific Presentation (x1)** | □ Lab report is typed  *All of the following are correct:*  □ Times New Roman or Arial font  □ 12 pt. font  □ 1 inch margins  □ All components are in the correct order | □ Lab report is typed  *One of the following is incorrect:*  □ Times New Roman or Arial font  □ 12 pt. font  □ 1 inch margins  □ All components are in the correct order | □ Lab report is typed  *Two of the following are incorrect:*  □ Times New Roman or Arial font  □ 12 pt. font  □ 1 inch margins  □ Some components are out of order | □ This component is incomplete or inaccurate. |
| **Spelling,**  **Grammar, &**  **Punctuation (x1)** | □ Spelling is correct  □ Grammar is correct  □ Punctuation is correct | □ Minor errors in spelling  □ Minor errors in grammar  □ Minor errors in punctuation | □ Major errors in spelling  □ Major errors in grammar  □ Major errors in punctuation | □ This component is incomplete or inaccurate. |