**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. |