

Mrs. Myers's Science Class
Middle School Science Lab Report Format Rubric

CATEGORY	Advanced (3)	Proficient (2)	Basic (1)
Cover Page	<ul style="list-style-type: none"> • Page has the following requirements: <ul style="list-style-type: none"> ○ Title – Centered ○ Name ○ Homeroom ○ Date • All lower right corner 	<ul style="list-style-type: none"> • One item missing from the requirements. 	<ul style="list-style-type: none"> • Two or more items missing from the requirements.
Introduction	<ul style="list-style-type: none"> • Purpose listed in complete sentence with reference to lab. • Background information is relevant to topic and cited properly. 	<ul style="list-style-type: none"> • Purpose listed without complete sentence with reference to the lab. • Background information is relevant to topic without proper citations. 	<ul style="list-style-type: none"> • Purpose listed without a complete sentence and without reference to lab. • Background information is not relevant to topic and not properly cited.
Experimental Design	<ul style="list-style-type: none"> • Problem is clearly stated and cannot be answered with yes or no. • Independent variable listed • Dependent variable listed • Control stated 	<ul style="list-style-type: none"> • Problem is clearly stated and can be answered with yes or no. • Missing one of the following variables: Independent, dependent, or control. 	<ul style="list-style-type: none"> • Problem is not clearly stated. • Missing two of the following variables: Independent, dependent, or control.
Hypothesis	<ul style="list-style-type: none"> • Written in if/then/because form with 2 variables defined correctly. 	<ul style="list-style-type: none"> • Written in if/then/because form with 1 variable defined correctly. 	<ul style="list-style-type: none"> • Not written in the proper format and no variables listed properly.
Test (Materials & Procedure) (weighted 2 times)	<ul style="list-style-type: none"> • Materials were listed very specifically. • Steps were listed in the exact order needed to duplicate lab. • Steps listed in complete sentences starting with verb and ending with a period. 	<ul style="list-style-type: none"> • Missing two items quantities from list of materials used. • Some steps were listed in order. • Most steps were listed in complete sentences with a verb or period missing. 	<ul style="list-style-type: none"> • Three or more items missing from list of materials used. • Most steps were not listed in proper order. • Most steps were not listed in complete sentences and verbs or periods were missing.
Observations (Data Collection) (weighted 3 times)	<ul style="list-style-type: none"> • Identified qualitative observations. • Appropriate display of quantitative data. • Extremely well designed diagram (colored, labeled). • Table represented data very well. 	<ul style="list-style-type: none"> • Data collection is missing one or two of the requirements. 	<ul style="list-style-type: none"> • Data collection is missing two or more of the requirements.
Discussion (weighted 3 times)	<ul style="list-style-type: none"> • Results were very well explained. • Inferences logically followed and supported your results. • Trends were discussed. • Explained WHY data was important. • Weaknesses in experimental design were discussed. • Sources of error were indicated. • Suggestions for improvements were listed. 	<ul style="list-style-type: none"> • Discussion is missing one or two of the requirements. 	<ul style="list-style-type: none"> • Discussion is missing two or more of the listed requirements.

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Conclusion	<p>Conclusion indicates 4 factors:</p> <ul style="list-style-type: none"> • Whether the findings supported the hypothesis. • Limitations • What was learned from the experiment • Generated new question(s). 	<ul style="list-style-type: none"> • Conclusion includes 3 of the 4 factors required. 	<ul style="list-style-type: none"> • Conclusion includes less than 3 of the 4 requirements.
*Bibliography (2pts.)	<ul style="list-style-type: none"> • Several reputable background sources were used and cited correctly. • Material is translated into student's own words. 	<ul style="list-style-type: none"> • A few reputable background sources were used and cited correctly. • Material is translated into student's own words. 	<ul style="list-style-type: none"> • One reputable background source was used and cited correctly. • Most material is translated into student's own words.
Spelling & Grammar	<ul style="list-style-type: none"> • Two or fewer errors in spelling, punctuation, and grammar in the report. 	<ul style="list-style-type: none"> • Three or four errors in spelling, punctuation, and grammar in the report. 	<ul style="list-style-type: none"> • Five or more errors in spelling, punctuation, and grammar in the report.
Components of the report	<ul style="list-style-type: none"> • All required elements are present and additional elements that add to the report (thoughtful comments, graphics) have been added. 	<ul style="list-style-type: none"> • All required elements are present. 	<ul style="list-style-type: none"> • Several required elements are missing.
Neatness	<ul style="list-style-type: none"> • Report is neat in appearance. • Rulers are used in appropriate places. • Report is completed in blue or black ink. 	<ul style="list-style-type: none"> • Two of the requirements have been met. 	<ul style="list-style-type: none"> • One of the requirements have been met.

Total Points Possible: 50 pts.