

Science Fair Experiment : Science Fair Written Report

CATEGORY	4 Excellent	3 Good	2 Fair	1 Poor
Title Page		Student information, title, typed.	One part of the information is missing.	Two or more parts of the information are missing.
Introduction	Sentence that grabs the reader's attention, introduces the topic being researched, and describes WHY the topic was chosen. The introduction should also include the STATEMENT OF PURPOSE.	Paragraph does not meet one or two components from the excellent category OR does not include the statement of purpose.	Paragraph does not meet more than 2 components from the excellent category AND does not include the statement of purpose.	
Statement of Purpose		Problem is clearly stated in the form of a question.	Problem is not clear OR is not in the form of a question.	No problem stated.
Hypothesis		Hypothesis is in an "If...then..." statement.	Hypothesis is stated but is not in an "If...then..." statement.	No Hypothesis has been stated.
Research	Answers most questions and defines any keywords, includes all relevant formulas, covers currently accepted theories, facts, and data, and includes key discoveries and early researchers.	Paragraph does not meet one component from the excellent category.	Paragraph does not meet two or more components from the excellent category	Paragraph does not meet any components from the excellent category OR does not include the statement of purpose.
Variables		Independently identified and clearly defined which variables were going to be changed (independent variables) and which were going to be measured (dependent variables).	Independently identified which variables were going to be changed (independent variables) and which were going to be measured (dependent variables). Some feedback was needed to clearly define the variables.	No variables identified.
Materials		List of all materials and supplies used. Quantities and of each material are listed.	List of materials and supplies used BUT no quantities listed.	No list of materials or supplies.

Description of Procedure	Procedures were outlined in a step-by-step fashion that could be followed by anyone without additional explanations. No adult help was needed to accomplish this.	Procedures were outlined in a step-by-step fashion that could be followed by anyone without additional explanations. Some adult help was needed to accomplish this.	Procedures were outlined in a step-by-step fashion, but had 1 or 2 gaps that require explanation even after adult feedback had been given.	Procedures that were outlined were seriously incomplete or not sequential, even after adult feedback had been given.
Data Collection	Data was collected several times. It was summarized, independently, in a way that clearly describes what was discovered.	Data was collected more than one time. It was summarized, independently, in a way that clearly describes what was discovered.	Data was collected more than one time. Adult assistance was needed to clearly summarize what was discovered.	Data was collected only once and adult assistance was needed to clearly summarize what was discovered.
Conclusion/Summary	Student provided a detailed conclusion clearly based on the data and related to previous research findings and the hypothesis statement(s).	Student provided a somewhat detailed conclusion clearly based on the data and related to the hypothesis statement(s).	Student provided a conclusion with some reference to the data and the hypothesis statement(s).	No conclusion was apparent OR important details were overlooked.
References/Bibliography	Bibliography has a minimum of 3 references. The bibliography lists all the printed materials the student used to carry out the project. Items are listed in alphabetical order in a standard format.	Bibliography has a minimum of 3 references. Does Not list all the printed materials the student used to carry out the project OR items are listed in alphabetical order in a standard format.	Bibliography has two references. Does Not list all the printed materials the student used to carry out the project OR items are listed in alphabetical order in a standard format.	Bibliography has only one reference. Does Not list all the printed materials the student used to carry out the project OR items are listed in alphabetical order in a standard format.
Spelling & Grammar		Written report is free of spelling and grammatical errors.	Written report has 5 or less spelling or grammatical errors.	Written report has 6 or more spelling or grammatical errors.
Typed/Spacing		Paper is typed, 12 point font, Times New Roman or Arial, double spaced, 1 inch margins all around.	Wrong font OR not 12 point, wrong spacing OR wrong margins.	Not typed, wrong spacing, and wrong margins.

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