

Science Fair Rubric

	Level 1	Level 2	Level 3	Level 4
Background	There are not three sources, or paragraphs and may not relate to the experiment	There are three sources but not enough paragraphs and may not relate to the experiment	There are three paragraphs with three sources relating to the experiment	There are three paragraphs (at least 3-5 sentences) with three summarized sources and all relate to the experiment
Purpose	The purpose does not explain how it will help people or why the experiment is happening	The purpose explains why the experiment is happening but not how it will help people or vice versa	The purpose explains why the experiment is happening and how it will help people	The student created a purpose independently and on time that is clear and concise, explaining why it is happening and how it will help people
Hypothesis	The hypothesis is an unrealistic guess and does not include the variables	The hypothesis is a realistic guess and includes the variables	The hypothesis is an educated guess and includes the variables	The hypothesis has proof from the background, is an educated guess, and includes the variables
Materials	List of materials is limited	Adequate list of materials	List of materials is more than adequate and is correct	List of materials is accurate and clear and concise
Procedure	Lacking explanation and manipulates more than the independent variable	Somewhat unclear and the experimenter does not control the variables accurately	Is clear and the experimenter only manipulates the independent variable	Is clear, concise, and easy to replicate, only manipulating the independent variable, and explains controlling controlled variables
Observations	Limited or missing	Some observations were recorded	Observations are recorded with good care	Observations are excellent and organized
Results	Unclear and hard to distinguish	Includes some quantitative and qualitative measurements, but graphs are missing features	Includes qualitative and quantitative measurements and accurate graphs	Qualitative and quantitative measurements are there and graphs are excellent quality

Conclusion	Limited and do not support the purpose	Support the purpose but don't attribute to the independent variable	Support the purpose, attribute to independent variable, explain relevance	Restates the purpose and explains the solution and how it helps people, discussed clearly and attributes to the independent variable
Display	Missing some key features, unorganized, lacks care and detail	Includes all key features of a science fair but out of order/ unorganized	All key features, correct fonts, 2-3 colours, organized	All key features, organized, 2-3 colours, correct fonts, and pictures