

Science Fair Project Rubric

Name: _____ Grade: _____ Missing Elements = 0 points Grade : Total Score Correlation~ <8 = 50, 8=60, 10=64, 12=67, 14=70, 16=73, 18=76, 20=79, 22=82, 24=85, 26=87, 28=89, 30=91, 32=93, 34=95, 36=97, 38=99, 40=100 Total Score: /40

	Attempted 1	Proficient 3	Advanced Proficient 5
Problem/Question	States the problem/question that is vague, or as a statement, or addresses an issue to which the student already knows the answer.	States problem/question, and while there is no evidence of connection to a specific interest or experience of the student, it appears to represent a genuine learning opportunity for the student.	States problem/question, provides evidence that it comes from the student's personal interests or experiences, and represents a genuine learning opportunity for the student.
Hypothesis	Hypothesis is either not testable or does not connect to the stated problem/question, or shows no connection to the research. It is not stated in the "if _____, then _____" format.	Hypothesis is complete (in one sentence), testable, addresses the stated problem/question, and shows some connection to the research. It is stated in the "if _____, then _____" format.	Hypothesis is complete (in one sentence), testable, and clearly addresses the stated problem/question. Student shows a direct connection to their research. It is stated in the "if _____, then _____" format.
Procedure & Materials	Experimental design is not relevant to the hypothesis or the procedures outlined are seriously incomplete or not sequential, or materials list is missing or incomplete.	Experimental design is adequate to test the hypothesis, but may leave some unanswered questions. Procedures are outlined in a step-by-step fashion, but there may be 1 or 2 gaps that require explanation. Major materials are listed.	Experimental design is a well-constructed test of the stated hypothesis. Procedures are outlined in a step-by-step fashion that could be followed by anyone without additional explanations. All relevant materials are listed.
Results	Performed experiment only once and data are not summarized clearly. May or may not use graphs and charts	Performed experiment three or more times. Summarizes the data in a way that describes what was discovered using graphs and charts with few errors or omissions.	Performed experiment at least three times. Summarizes the data in a way that describes what was discovered using accurate graphs and charts.
Conclusions	Conclusion does not answer the problem/question, or does not refer back to the hypothesis, or contradicts the results.	Conclusion addresses the problem/question, states if the hypothesis was supported or rejected, and attempts to explain why.	Conclusion completely answers all aspects of the problem/question, states if the hypothesis was supported or rejected, and clearly cites evidence to explain why.
Visual Quality of Display	Project has limited eye appeal or is not easily readable at approximately two feet distance. The project has limited organization, or contains confusing visuals, or contains major language or spelling errors.	Project is appealing and readable at approximately 2 feet distance. It is organized and clear, uses understandable visuals and/or models, and contains few language and spelling errors.	Project is appealing and neat, and is readable at approximately 2 feet distance. It is well organized and clear, makes striking use of inventive or amusing visuals and/or models, and uses language and spelling flawlessly
Log Book	No log book is kept. Or, the log is incomplete. Or, it appears to be completed after the experiment not in "real time."	Log book is mostly complete. Some steps of project completion are missing. Entries are dated, but summaries may be too brief or vague. May contain drawings. Data from experiment is included.	Log book is complete and thorough. Every step of project completion is included. Entries are dated and summaries are clear. Any drawings are labeled. Data from experiment is included and thorough.
Research Paper	Cites only one source or sources aren't listed at all. Or, the description of the research is incomplete, or has little or no connection to the problem/question, or is not written in the student's own words. Parts of the scientific method may be missing.	Cites two sources. All sources are listed with most of the information given, i.e. author's name, title, web address, date, etc. Information may or may not be in MLA-style. The student generally connects the research to their problem/question in their own words. All parts of the scientific method are included, but may be vague.	Cites two or more sources. Information may or may not be in MLA style. The student clearly connects the research to their problem/question in their own words. All parts of the scientific method are included and thoroughly addressed or explained.

Science Fair Project Rubric

Name: _____ # _____

Grade: _____

Missing Elements = 0 points

	Attempted 1	Proficient 3	Advanced Proficient 5	Your Score
Problem/ Question	States the problem/question that is vague, or as a statement, or addresses an issue to which the student already knows the answer.	States problem/question, and while there is no evidence of connection to a specific interest or experience of the student, it appears to represent a genuine learning opportunity for the student.	States problem/question, provides evidence that it comes from the student's personal interests or experiences, and represents a genuine learning opportunity for the student.	0 1 2 3 4 5
Hypothesis	Hypothesis is either not testable or does not connect to the stated problem/question, or shows no connection to the research. It is not stated in the "if _____, then _____" format.	Hypothesis is complete (in one sentence), testable, addresses the stated problem/question, and shows some connection to the research. It is stated in the "if _____, then _____" format.	Hypothesis is complete (in one sentence), testable, and clearly addresses the stated problem/question. Student shows a direct connection to their research. It is stated in the "if _____, then _____" format.	0 1 2 3 4 5
Procedure & Materials	Experimental design is not relevant to the hypothesis or the procedures outlined are seriously incomplete or not sequential, or materials list is missing or incomplete.	Experimental design is adequate to test the hypothesis, but may leave some unanswered questions. Procedures are outlined in a step-by-step fashion, but there may be 1 or 2 gaps that require explanation. Major materials are listed.	Experimental design is a well-constructed test of the stated hypothesis. Procedures are outlined in a step-by-step fashion that could be followed by anyone without additional explanations. All relevant materials are listed.	0 1 2 3 4 5
Results	Performed experiment only once and data are not summarized clearly. May or may not use graphs and charts	Performed experiment three or more times. Summarizes the data in a way that describes what was discovered using graphs and charts with few errors or omissions.	Performed experiment at least three times. Summarizes the data in a way that describes what was discovered using accurate graphs and charts.	0 1 2 3 4 5
Conclusions	Conclusion does not answer the problem/question, or does not refer back to the hypothesis, or contradicts the results.	Conclusion addresses the problem/question, states if the hypothesis was supported or rejected, and attempts to explain why.	Conclusion completely answers all aspects of the problem/question, states if the hypothesis was supported or rejected, and clearly cites evidence to explain why.	0 1 2 3 4 5
Visual Quality of Display	Project has limited eye appeal or is not easily readable at approximately two feet distance. The project has limited organization, or contains confusing visuals, or contains major language or spelling errors.	Project is appealing and readable at approximately 2 feet distance. It is organized and clear, uses understandable visuals and/or models, and contains few language and spelling errors.	Project is appealing and neat, and is readable at approximately 2 feet distance. It is well organized and clear, makes striking use of inventive or amusing visuals and/or models, and uses language and spelling flawlessly	0 1 2 3 4 5
Total	A B+ B B- C+ C C- D F			_____/30

