

Science Fair Project Rubric

Circle the scientific category

Biological

Health and Behavioral

Physical

Consumer

	UNSATISFACTORY	Partially Proficient	Proficient	Advanced
Title	Title is not present.	Title is not clearly related to topic.	Title conveys general topic.	Title contains a clearly defined topic.
Question	No question OR question is not able to be answered through experimentation.	Question is easily answered through research OR is only partially answered in experiment.	Question is stated using "affect" or "effect" and can be answered through experimentation. Variables are controlled.	Question is thought provoking, clearly stated, and can be answered through experimentation.
Hypothesis	Hypothesis is not present OR does not match the question.	Hypothesis is partially unclear.	Hypothesis is a clear "If, then, because" statement that reflects logic.	Hypothesis is a "If, then, because" statement that shows thought provoking evidence through research.
Procedure	Procedure is not present OR does not match the question.	Procedure is sketchy. It is missing some steps or important details.	Procedural steps are numbered and clear (not in paragraph format). Minor details may not be mentioned. Repeat trials are present.	Procedure is clear, organized, systematic, detailed and appropriate.
Materials	Few, if any, materials are listed.	Some materials are listed. It is evident that not all materials in the experiment are listed.	A basic list of materials is present.	A list of materials is complete and contains descriptors with quantities listed.
Science Notebook	Notebook is not present OR contents are incomplete and/or inaccurate.	Notebook contains some simplified observations. It contains little evidence of research. Some data or important details may be absent.	Notebook contains basic details. Drawings, data, a table of contents, scientific process steps, and observations are present. Research is present.	Notebook contains dates, research, works cited, thorough notes, scientific drawings or photos, data, & multiple observations.
Results	Results are not clear and/or visuals provided do not match notebook data.	Results are represented with graphs or charts that are difficult to interpret.	Results are clearly represented with graphs or charts, visual images and data.	Results are represented with clarity and precision. Graphs, charts, and/or visual images are organized and well labeled with titles & x and y axes.
Conclusion (Heavily emphasized during judging)	No conclusion is present.	Conclusion does not directly relate to hypothesis.	Conclusion correctly summarizes the findings, with some explanation.	Conclusion correctly summarizes & contains complete explanations using scientific terminology. It evaluates the accuracy of the hypothesis.
Reflections/Connections (Heavily emphasized during judging)	No reflection is present.	Reflection is brief and shows minimal connections with the outside world.	Reflection shows understanding of connections between science & the outside world, using 1 – 2 examples.	Reflection shows understanding of connections between science & the outside world, using several thoughtful examples. It conveys potential "next steps". It includes an examination of extraneous variables.
Display	Display is disorganized and unreadable.	Display show some sloppiness, disorganization, and/or errors.	Display shows organization, neatness & is attractive.	Display shows creativity, organization, neatness, attractiveness, & attention to detail.
Presentation (Presented in homeroom to classmates)	Presentation shows little understanding of scientific concepts & procedures. It may be too confusing, misleading, or complex.	Presentation conveys understanding of procedures and partial understanding of scientific concepts.	Presentation conveys basic understanding of scientific concepts & experimental procedures.	Presentation conveys accurate understanding of scientific concepts & experimental procedures.

Notes: _____