

Science Fair:

Grading Rubric

	5 - Stellar	4 - Well Done	3 - Moderate	2 - Limited	1 - I Need Help
Testable Question and Hypothesis	Testable question is new, meaningful, well researched. Hypothesis is clearly stated in the "IF... THEN" format.	Testable question is meaningful, and well researched. Hypothesis is clearly stated.	Testable question is addressed and researched. Hypothesis is stated.	Testable question is somewhat addressed and somewhat researched. Hypothesis is unclear.	Testable question is not stated and research is unclear. Hypothesis is not stated.
Background Research	Research is thorough, specific, has many examples. All ideas are clearly explained. History, biology, and pros and cons are fully addressed.	Research has many specifics and some examples. Most ideas are explained. Student mostly addresses the history, biology, and pros and cons.	Research has some specifics and a couple examples. Few ideas are explained. Student doesn't address all areas: history, biology, and pros and cons.	Research has little specifics and one example. Two or less ideas are explained. Student doesn't address all areas: history, biology, and pros and cons.	Research has no specifics and one example. No ideas are explained. Student doesn't address all areas: history, biology, and pros and cons.
Experimental Design/ Materials/ Procedure	Procedure is detailed, appropriate, thorough. Steps of procedure are listed and sequential, all materials are listed. Safety issues have been addressed.	Procedure is appropriate, thorough. Steps of procedure are listed and mostly sequential, most materials are listed. Safety issues may have been addressed.	Procedure is appropriate. Steps of procedure are mostly listed. Most materials are listed. Safety issues were not addressed.	Procedure is inadequate. Steps of procedure are mostly listed. Few materials are listed. Safety issues were not addressed.	Procedure is inadequate. A few steps of procedure are listed. No materials are listed. Safety issues were not addressed.
Variables	Variables have been identified, controls are appropriate, in place, and explained.	Variables have been identified, controls are appropriate and in place.	Variables have somewhat been identified, controls are somewhat known.	Missing one variable or control.	Missing two or more of the variables or the controls.

	5 - Stellar	4 - Well Done	3 - Moderate	2 - Limited	1 - I Need Help
Data Collection	Proper use of a consistent measuring system. Adequate number of trials/sample size. Appropriate use of photos/charts/graphs to display data.	Use of a consistent measuring system. Adequate number of trials/sample size. Some use of photos/charts/graphs to display data.	Use of a consistent measuring system. Adequate number of trials/sample size. Fair use of photos/ charts/graphs to display data.	Use of a consistent measuring system. Poor number of trials/sample size. Poor use of photos/charts/ graphs to display data.	Use of a consistent measuring system. Poor number of trials/sample size. No use of photos/charts/ graphs to display data.
Data Analysis And Conclusion	Conclusions are supported by the data. Sources of error have been considered. Explanation is made for how or why the hypothesis was supported or rejected. Experimental meaning is conveyed and reflection of what was learned and how it could be made better is made.	Conclusions are supported by the data. Some sources of error have been considered. Explanation is made for how or why the hypothesis was supported or rejected. Reflection of what was learned and how it could be made better is made.	Conclusions are not clearly supported by the data. Some sources of error have been considered. Explanation is attempted for how or why the hypothesis was supported or rejected. Reflection of what was learned and how it could be made better is made.	Conclusions are not supported by the data. A few sources of error have been considered. Explanation is attempted for how or why the hypothesis was supported or rejected. Reflection of what was learned and how it could be made better is poor.	Conclusions are not supported by the data. No sources of error have been considered. Explanation is not attempted for how or why the hypothesis was supported or rejected. Reflection of what was learned and how it could be made better is not made.
Table of Content and Title Page	The title page and table of contents are clear and concise with the appropriate materials in the correct format. The table of contents is accurate in the proper order.	The title page and table of contents are present with the appropriate materials in the correct format. The table of contents is accurate in the proper order.	The title page and table of contents are present in the correct format. The table of contents is accurate with all the required sections.	Both the title page and the table of contents are present but are out of order and/or missing one or more of the required sections.	The title page and/or the table of contents is missing is far from completion. The table of content missing or incomplete.
Works Cited	Five references are cited in MLA format and referenced throughout the paper and presentation.	Four references are cited and referenced throughout the paper and presentation.	Three references are cited and referenced throughout the paper and presentation.	Two references are cited and referenced throughout the paper and presentation.	One or zero references are cited and referenced throughout the paper and presentation.
Tri-Fold Poster Board	Board is neat, attractive, and creative. Spelling and grammar are correct. Graphs and charts are properly labeled.	Board is neat and attractive. Spelling and grammar are mostly correct. Graphs and charts are mostly labeled.	Board is neat. Spelling and grammar are somewhat correct. Graphs and charts are somewhat labeled.	Board is fair. Spelling and grammar have many mistakes. Graphs and charts are unclear.	Board is poor. Spelling and grammar have many mistakes. Graphs and charts are missing.