

DATA/RESULTS MST SCIENCE FAIR						TOTAL ____/40pts	
	4	3	2	1	0	Multiplier	Points Earned
Data	All experimental data is included and labeled with units and documented with video. (See Below)		Some data omitted and unlabeled, or data collection video does not provide evidence of ownership.		No data is included OR data collection video is not present.	3	___/12 pts
Visual Presentation	Both a raw data table and at least one table for descriptive statistics must be present. All data tables are clear and coherent. Descriptive statistics must be visualized in one or more graphs when appropriate. Raw data is not graphed unless there is a legitimate reason.		Specific data tables are poorly formatted, unclear, or missing. Graphs are used in a way that obscures data.		No tables, graphs or visual data displays provided.	3	___/12
Statistical Analysis	A statistical analysis of the data is correctly and appropriately included. This may include t-test, chi square, ANOVA, or other appropriate statistical tool.		A statistical analysis of the data is included with major errors.		No statistical analysis (t-test, ANOVA, etc.) is included	2	___/8
Written Description	Each figure is accompanied by an explanation that points out trends in data as well as the main points of the statistical analysis that rationalizes the data.		One written data description missing and explanations do not sufficiently Explain data.		No written descriptions of data provided	1	___/4
Formatting	Paper is typed, double spaced, with 12 pt. Font, 1 inch margins and APA style in-text citations, written in the third person, in passive voice		Missing 3 or 4 of the characteristics of a 4.		Missing all the characteristics of a 4.	0.5	___/2

Spelling and Grammar	Paper written following guidelines of professional writing.	2 spelling or grammatical errors left uncorrected.	3 spelling or grammatical errors left uncorrected.	4 spelling or grammatical errors left uncorrected.	5 or more spelling or grammatical errors left uncorrected.	0.5	___/2
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DOCUMENTATION WITH VIDEO:

This school year we will be requiring video evidence of your data collection. If you are using a technology based project, then this will be documented through a video screen sharing application. This **MUST** be provided. Detailed guidelines will be provided in video on the MST website.

A LEVEL 4 STUDENT :

Data	All experimental data is included and labeled with units documented with video.
Visual Presentation	Both a raw data table and at least one table for descriptive statistics must be present. All data tables are clear and coherent. Descriptive statistics must be visualized in one or more graphs when appropriate. Raw data is not graphed unless there is a legitimate reason.
Statistical Analysis	A statistical analysis of the data is correctly and appropriately included. This may include t-test, chi square, ANOVA, or other appropriate statistical tool.
Written Description	Each figure is accompanied by an explanation that points out trends in data as well as the main points of the statistical analysis that rationalizes the data.
Formatting	Paper is typed, double spaced, with 12 pt. Font, 1 inch margins and APA style in-text citations, written in the third person, in passive voice
Spelling/Grammar	Paper written following guidelines of professional writing.