

Science Fair Timeline
Math and Science Department

Assignment	Assignment Description	In Class Due Date	Points
Topic Selection (Title)	*Submit 3 ideas for your Science fair project. *If idea is rejected, resubmit new idea before the 18th.	August 11	
Hypothesis Problem Statement	*The specific hypothesis the student will be investigating in the science fair project. *Identify the problem and variables (dependent and independent)	August 18	5
Review of Literature Bibliography (References)	*The Bibliography is a list of the sources that will be used to answer the research questions. *List at least 3 <u>scientific</u> sources (books, scientific websites) you used to gather background information for the project. Your sources must be written in APA format. You must alphabetize your sources on your proposal.	September 1	15
* Research Plan * Hypothesis, * Variables (Dependent and Independent) * Experimental Design /Methods * Mentor * Appropriate Permits/Forms	*Provide an explanation of which factors (variable/s) will be changed/manipulated while conducting the experiment. *Methods Section must be delineated *A research MENTOR must be identified in the required form. *All permits and forms must be submitted.	September 15	15
Research Title and Proposal Outline * <u>Introduction</u> should be included.	The Proposal Outline is a roadmap of the project. *The Proposal Outline should include an "Introduction" section. *The <u>purpose</u> of the Research should be described in the Introduction section. It should include information to help understand why the student selected the topic of investigation and the relevance and contribution to today's society. The outline should also include: <ul style="list-style-type: none"> • The history of similar experiments or inventions. • Operational Definitions: definitions of all important words and concepts that describe the experiment. • Answers to all the background 	September 22	15

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	<p>research plan questions.</p> <ul style="list-style-type: none"> Mathematical formulas, if any, that are needed to describe the results of the experiment. 		
Materials and Procedures	A detailed list of the materials that will be used to conduct the experiment and the detailed steps that will be followed while conduct the experiment.	September 29	10
Conducting the Experiment	There should be a minimum of two weeks here to allow the students to do multiple runs of their experiments. Minimum Trials: 3 runs of experiment. If students are working with plants, they should have 3 plants for each variable tested.	September 29 to October 27	10
Data Analysis and Graphs *Results *Data Table/Charts *Photos/Videos	The analysis of the experimental data. A summary of the findings of the experiment.	November 3	10
Conclusions (Limitations- time, etc.)	An explanation of the results of the experiment.	November 10	10
Abstract	Summary of Project in one paragraph. It should include operational terminology.	November 17	10
Final Report *Grade will count for 2 semesters.	A report that collects all the above written assignments in one place plus the abstract of the project.	December 1	50
Display/Poster Board	The final project board that will be displayed at the science fair.	January 12	25
School Science Fair (Judge Evaluation) *If poster is not submitted by 8am during pre-eval on the 17th, the project is disqualified for Science Fair Competition. Projects that do not meet the requirements will be disqualified from Science Fair. The poster will still be graded.	The date the students must turn in their projects to the teacher or to the school science fair.	January 17 Pre-Eval January 18 montage January 19 Fair with Judges	25
TOTAL POINTS			200

All assignments must be saved in the USB drive dedicated to the Science Class and Science Fair Project. Students are responsible to back up their work in their computer (not the school computers), by e-mail, Google Drive, iCloud, as it will be instructed in class, and/or in a second USB drive. Students are also responsible to print the work and keep a copy in their science binder.

All graded work, permits, handouts and forms should be saved in chronological order in the binder.

*This is a working timeline and may change depending on the school schedule. All the rules and regulations stated in course syllabus apply.