

Name: \_\_\_\_\_

## Project Plan Scoring Guide

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Due date</b>	Handed in 11/08/10	Handed in by 11/10/10	Handed in by 11/15/10	<b>Handed in by 11/22/10 *</b>
<b>Presentation</b>	Handed into box or digitally submitted. Timeline, lab log #1 contract, typed plan, Equipment list, and rubric are all attached. NOTE: A <u>SECOND</u> , separate edited copy must be attached to the science fair application.	Handed into box or digitally submitted. Timeline, lab log #1 contract, typed plan, Equipment list, and rubric are all attached. NOTE: A <u>SECOND</u> , separate edited copy must be attached to the science fair application.	Handed into box or digitally submitted. Timeline, lab log #1 contract, typed plan, Equipment list, and rubric are all attached. NOTE: A <u>SECOND</u> , separate edited copy must be attached to the science fair application.	Handed into box or digitally submitted. Timeline, lab log #1 contract, typed plan, Equipment list, and rubric are all attached. NOTE: A <u>SECOND</u> , separate edited copy must be attached to the science fair application.
<b>Purpose</b>	Purpose is stated clearly and is appropriate to science project.	Purpose is stated clearly and is appropriate to science project.	Purpose is stated.	Purpose is stated.
<b>Hypothesis</b>	Hypothesis is stated and is testable	Hypothesis is stated and is testable	Hypothesis is stated and is testable	Hypothesis is stated and is testable
<b>Equipment list</b>	<b>All</b> equipment to be used is listed, as well as where each item will be found. Specific information regarding each item is given (brand names, sizes, make, model numbers, etc.) to guarantee that the student has access to it	<b>Most</b> necessary equipment is to be used is listed, as well as where each item will be found. Specific information regarding most items is given (brand names, sizes, make, model numbers, etc.) to guarantee that the student has access to it.	<b>Most</b> necessary equipment to be used is listed, as well as where each item will be found.	<b>Basic</b> necessary equipment to be used is listed, as well as where each item will be found.
<b>Clarity of plan</b>	Plan could be repeated exactly by another scientist with <b>very few (1 or 2)</b> questions to you.	Plan could be repeated exactly by another scientist with <b>few</b> questions to you.	Plan could be repeated exactly by another scientist with <b>few</b> questions to you.	Plan could be repeated by another scientist with <b>many</b> questions to you.
<b>Experiment design</b>	Design controls <b>all significant</b> variables that could influence results.	Design controls <b>most</b> variables that could influence results.	Design controls <b>some</b> variables that could influence results.	Design <b>does not attempt</b> to control outside variables.
<b>Data Collection:</b>	The experiment is designed to maximize the amount of data collected in the time available. The plan includes multiple tests of a given I.V. to ensure repeatability in data if possible. Data is quantifiable.	The experiment is designed to maximize the amount of data collected in the time available. The plan includes multiple tests of a given I.V. to ensure repeatability in data if possible. Data is quantifiable.	The plan includes multiple tests of a given I.V. to ensure repeatability in data when possible. Data is quantifiable.	The experimental design does not attempt to maximize the amount of data gathered with the time available. No effort is made to ensure consistency in data. Data is quantifiable.
<b>Data analysis plan</b>	Data analysis plan includes an indication of any data manipulation that will allow you to draw a conclusion in reference to your hypothesis. You have indicated the type of graph(s) you will use to display your data.	Data analysis plan includes an indication of any data manipulation that will allow you to draw a conclusion in reference to your hypothesis. You have indicated the type of graph(s) you will use to display your data.	Data analysis plan includes an indication of any data manipulation that will allow you to draw a conclusion in reference to your hypothesis. You have indicated the type of graph(s) you will use to display your data.	Data analysis plan includes an indication of any data manipulation that will allow you to draw a conclusion in reference to your hypothesis. You have indicated the type of graph(s) you will use to display your data.
<b>Text</b>	Neatly <b>typed</b> ; <b>Main body is double-spaced</b> ; 12-point "block-style" font (Times or New York), <b>black ink only</b> . <b>Few Errors</b>	Neatly <b>typed</b> ; <b>Main body is double-spaced</b> ; 12-point "block-style" font (Times or New York), <b>black ink only</b> . <b>Few Errors</b>	<b>Hand written</b> or has <b>some</b> errors	<b>Hand written</b> and/or has <b>many</b> errors

\* (A student can not enter the Science Fair without having a plan by this date and therefore cannot pass the class)

**OVER**

**Use the lab log #1 contract provided for the following**

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<b>Data estimation:</b>	An estimation of the amount of data a student plans on obtaining is given.	An estimation of the amount of data a student plans on obtaining is given.	An estimation of the amount of data a student plans on obtaining is given.	No data estimate is given.
<b>Set-up time estimation</b>	Includes a written estimation of the amount of time necessary to gather or build all equipment and set up the experiment.	Includes a written estimation of the amount of time necessary to gather or build all equipment and set up the experiment.	Includes a written estimation of the amount of time necessary to gather or build all equipment and set up the experiment.	Includes a written estimation of the amount of time necessary to gather or build a equipment and set up the experiment.
<b>Sample time estimation</b>	Includes a written estimation of the time required to obtain one piece of data.	Includes a written estimation of the time required to obtain one piece of data.	Includes a written estimation of the time required to obtain one piece of data.	Includes a written estimation of the time required to obtain one piece of data.
<b>Timeline</b>	Timeline for <u>first month</u> of experimentation is included on calendar. Specific dates and TIMES of specific activities are given. You are expected to have <u>at least 5 pieces</u> of data by 12/14/09** <u>or</u> you include a written explanation, SIGNED BY YOUR MENTOR AND MYSELF, as to why you do not believe that this is possible with a description of what you will be able to accomplish in that time and when you will have data.	Timeline for <u>first month</u> of experimentation is included on calendar. Specific dates and TIMES of specific activities are given. You are expected to have <u>at least 5 pieces</u> of data by 12/14/09** <u>or</u> you include a written explanation, SIGNED BY YOUR MENTOR AND MYSELF, as to why you do not believe that this is possible with a description of what you will be able to accomplish in that time and when you will have data.	Timeline for <u>first month</u> of experimentation is included on calendar. Specific dates and TIMES of specific activities are given. You are expected to have <u>at least 5 pieces</u> of data by 12/14/09** <u>or</u> you include a written explanation, SIGNED BY YOUR MENTOR AND MYSELF, as to why you do not believe that this is possible with a description of what you will be able to accomplish in that time and when you will have data.	Timeline for <u>first month</u> of experimentation is included.
<b>Teacher approval</b>	The scope of the project should suggest approximately 15 to 20 hours of work for an individual project, and 30 to 40 hours of student work for a team project. Plan must meet teacher approval upon grading.	The scope of the project should suggest approximately 15 to 20 hours of work for an individual project, and 30 to 40 hours of student work for a team project. Plan must meet teacher approval upon grading.	The scope of the project should suggest approximately 15 to 20 hours of work for an individual project, and 30 to 40 hours of student work for a team project. Plan must meet teacher approval upon grading.	The scope of the project should suggest approximately 15 to 20 hours of work for an individual project, and 30 to 40 hours of student work for a team project. Plan must meet teacher approval upon grading.

\*\* This is a general guideline some projects will be required to have significantly more data while some may be allowed to have less. Other sample plans are available on the internet at our site (search Southeast Alaska Science Fair on any search engine)