

November 5, 2012

Dear Parents,

It's time to start thinking about Science Fair projects! This year, students will be responsible for doing individual projects and they will be completing the work outside of class. I have included a timeline (on the back of this letter), of descriptions of the board elements, safety guidelines, and some suggested resources for research. The board setup diagram is below.

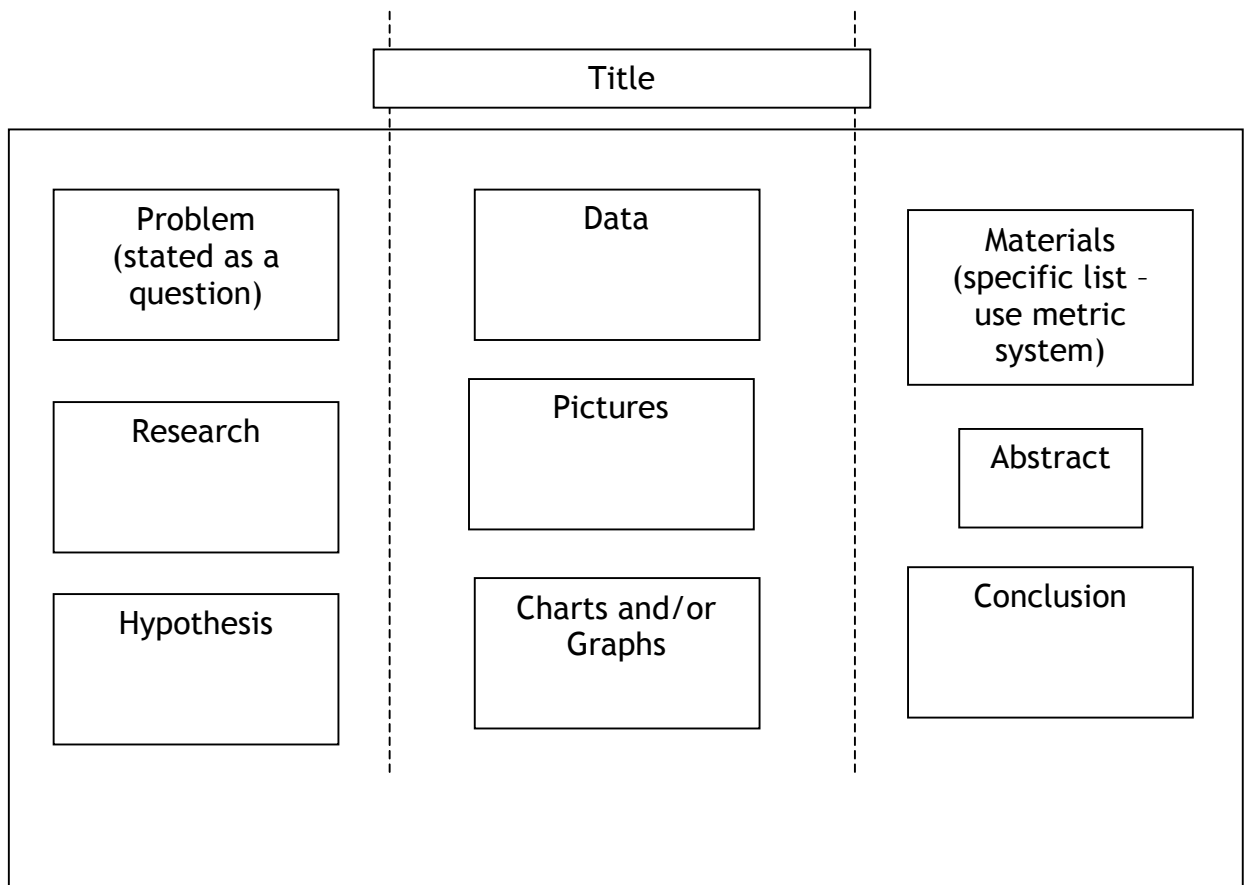
The due dates along the way are to keep students on track and individual grades for progress will be given. There will also be a grade for the completed project. This will be a large part of your child's marking period 2 Science grades. Please help your child stay on track and complete the project in a timely manner.

Please take some time to look at the list of Science Fair ideas with your child. Your child must commit to the project topic by Tuesday, November 6, 2012.

Thank you!

Mrs. Studivan

Board Setup Diagram (Tri-Fold Display Board - purchase in school store, Wal-Mart, Target, Staples, etc.)



TITLE: A catchy phrase identifying your project

PROBLEM: The specific question you are trying to answer by doing the experiment

RESEARCH: The sources of information used to research your topic that helped you develop a Problem. This IS NOT a report of the actual experiment, it is the preliminary work you did before the experiment began. Research may be displayed with photographs, diagrams, statistics and/or a written report.

HYPOTHESIS: A complete sentence of what you predict will happen before you conduct the experiment (educated guess) and what reasons or information makes you think your hypothesis is correct.

ABSTRACT: This is a summary of your project. It is up to 250 words, typed single spaced and includes your hypothesis, procedures, results, and conclusions.

MATERIALS: A list of all materials needed to accomplish the experiment. Use the metric system.

PROCEDURE: Each step is a complete sentence and tells the reader how to replicate the experiment, as in a recipe. Use clear and specific directions.

DATA: Graphs, charts, or other visual representation of the measured results of your experiment. Make sure to use the METRIC system when measuring your results! Because you must complete your experiment 3 or more times, you should indicate the results for EACH set of data on your chart or graph. You could also include an average. Your data may require more than one chart or graph.

CONCLUSION: A complete sentence reporting the answer to your Problem and a reason why the experiment either proved or disproved your Hypothesis.

LOG BOOK: (optional) A separate composition book or notebook that serves as a diary for your experiment project. It tells what, where, how and when work was done on your project. Entries should have dates and descriptions of the activity from the Research stage all the way through the Conclusion, including the three sets of data. Everything you did for this project should be recorded in the Log Book.

***On the back top right of every board write the following:
School, grade, teacher name, student names, learning goal(s)***

Milestone Time Line

Things that are starred (**) are items that must be checked off IN CLASS and will be a Science grade.

1. Tuesday, November 6, 2012
 - Projects Chosen**

2. Friday, November 9, 2012
 - Question formulated**
 - Hypothesis developed based on the question that will be investigated**
 - Determine and obtain materials needed

3. Friday, November 9, 2012
 - Begin experiment
 - Repeat experiment at least twice after the original test

4. Friday, November 16, 2012
 - Conclude experiment

5. Friday, November 30, 2012
 - Analyze data and create charts/graphs**
 - Completed conclusion**

6. Wednesday, December 5, 2012
 - Display completed**