CHALLENGER ELEMENTARY SCHOOL SCIENCE POJECT DISPLAY BOARD DESIGN

`

Purpose

This is a statement of the problem being investigated. What do you want to find out? Be specific, avoid generalities and vague statements.

Hypothesis

Must be an "If-then" statement. The hypothesis must directly reflect the problem being investigated.

Materials

List everything you used. Show dimensions of materials in metric (SI) units.

Title

Put it in a question format. Make sure it is descriptive and interesting.

Procedures

A step-by-step list of what you did. It must be detailed enough so that anyone could duplicate your experiment by following your procedures exactly. Remember…experiments must be repeatable. Number the steps with consecutive numbers.

Tables, Graphs, Photographs

Display visually what you did and what happened. Take pictures if at all possible. Graphs, tables, and charts are a must. Make sure all measurements are in metric (SI) units. This section should give a non-verbal representation of your project. A picture is worth kilo (1000) words!

Results

A summary of the observations you made during the experiment. Use both qualitative and quantitative observations. Discuss data you acquired during you experiment. This not the place to draw conclusions about the experiment. This section is for strictly factual information based on your observations.

Conclusion

This is where you make conclusions based on your data. Was your hypothesis supported by the data? Explain any possible sources of error, uncontrolled variables, and problems you encountered. If your hypothesis was supported, say so. If not, say it wasn't and explain why this happened (based on data collected). Say what you have learned, what you might do differently, and apply your experiment to real world situations.

Abstract

Make sure your abstract is in the same format as the example you've received.

Data Book

The data book is an type of notebook (composition, spiral, etc.) that acts as a scientific journal. Record all observations in your data book. Record everything you do in your data book. This will be the source document for your project board.

Research **(5th grade ONLY)**

All projects must have research documented. In your research paper explain what you know already and what you learned from your research of your topic. This section is where you supply the background information on your experiment.