

# Invention Fair Graph Guidelines

You will need to create a minimum of two graphs from your invention fair data. (One will be of the trials, and the other will be the average.) Those of you who worked with a partner will need to present 4 graphs; this is why it was important to collect two sets of data! You will need to use the correct type of graph for your data. Information on these is in the invention fair handbook and in the reference section of your textbook.

## **Examples:**

- ❖ **Bar Graph**- best if only looking at end data, not a change over time
- ❖ **Line Graph**- best when looking at a change over time.
- ❖ **Circle/Pie graph**- best to look at percentages.

**Each graph must have the following information- Must be done on the computer.**

- ❖ Title -what **specifically** am I looking at?
- ❖ Labeled X axis- what is it and unit!
- ❖ Labeled Y axis- what is it and unit!
- ❖ Color- either use colored pencils or a color printer
- ❖ Caption- each graph must have a unique caption that explicitly (very specific) lets the readers understand what the data is proving.
  - Each caption must be different. They cannot be the same as the other captions.
  - Generally 2-5 sentences.
  - Written in 3<sup>rd</sup> person.
  - Describe the general trend of the graph.
- ❖ Data must be correctly placed on the graph.
- ❖ Key- note what is represented by each color in your graph.
- ❖ *When all is said and done each graph with the above information should be the size of a sheet of copy paper. Each graph is on a separate page with all above information.*



**Important Due Dates for the Graphs : Friday, May 9<sup>th</sup>, 2008**