

Detailed Steps to Complete a Science Fair Project:

1. Select a Topic

Pick something that interests you. Look at the attached list of sample project ideas.

2. Follow the Scientific Method

- a. State the Purpose of the Experiment – What are you trying to find out? This is the main question you are trying to answer.
- b. Select a variable (something you will change) that will help you find your answer
- c. State your hypothesis – your guess about what the answer will be
- d. Decide how to conduct your experiment:
 1. Describe how you will change your variable
 2. Decide and describe how you will measure your results
- e. Conduct your experiment and record your data and all your notes in a notebook
- f. Look at the data you collected to answer the question you posed in the first step.

3. Create Graphs and Charts

What happened in your experiment? Use the data you collected to create graphs and charts to show the results.

4. Construct a Display Board

The format for the display board is shown on the next page.

5. Practice Presentation to the Judges

Be prepared to explain what you did. The judges are very nice and will be interested in what you did and what you learned.

Project Display Board

Some Guidelines:

- **All projects should be displayed using a three-paneled display board purchased in the school office for \$5 or at Michael's Craft Store**
- Displays should be able to stand up without additional support
- Print neatly or use a computer – be sure the text can be read from far away
- Display samples or equipment in the area in front of the board
- Include your title, name and grade prominently on the board
- Do not plan to conduct an experiment at the Fair, but you can demonstrate what you did.

