

## Science and Engineering Fair IMPORTANT PARTS

1. **Question:** You are investigating a question. You are not building things or demonstrating things. Each science fair project must test something, show data to prove something, and be clearly presented. Most experiments involve measuring differences when one variable is changed.
2. **Hypothesis:** Write a complete sentence telling what you think will happen and why you think it will happen. The hypothesis should be completed before you begin the experiment. It is OK if your experiment proves that the hypothesis was incorrect.
3. **Materials:** List everything you use during your experiment.
4. **Procedure (plan):** List step-by-step instructions. Number the steps. Do not write a paragraph. Make a list.
5. **Data:** As you do your experiment, record your results as a tally chart or other way of recording. This is not a paragraph.
6. **Results:** Explain your data in words and with a graph, if possible. Do not tell the conclusion in this section.
7. **Conclusion:** Write one or more paragraphs to clearly explain the results. This is the answer to the question you asked at the beginning. You may add what you would do differently another time, why this is important, or other ideas about the experiment.

**Students must do the projects themselves. Parents or adults may help and advise, but the student is responsible for the work.**

