

Steps in Completing a Science Fair Project or THE SCIENTIFIC METHOD

1. Initial question and purpose for your experiment. Make sure you have this in your TITLE and it is also used in your introduction as to why you decided to do this project.
2. Research to be able to form an elaborate hypothesis. This is a prediction of what will happen in your experiment.
3. In the hypothesis, say "if this happens, then.... And "why you think the prediction is true.
4. Be specific in the design of the experiment. Variables should be controlled and manipulated. Test only 1 manipulated variable.
5. Materials should list types and measurements in metric units.
6. Procedure- list all steps to make it easy for anyone to repeat the experiment.
7. Conduct the experiment and repeat. Record all observations as either Qualitative- characteristics or Quantitative- in a data table (values, measurements)
8. Interpret results in a graph or diagram.
9. Make a conclusion. Was your hypothesis correct?
10. Site all references you used in conducting your research.

Make sure your display board consists of the following:

Title
Steps/Data
Hypothesis
Materials
Procedure
Conclusion

Make everything CLEAR so nobody has any questions about your process

If you are doing a presentation you need to:

Describe the experiment

Answer questions

Practice, Practice, Practice!