What goes on my board (trifold boards please)

* If you can't find one let me know soon. They have them at Hobby Lobby, Walmart, and even the Dollar Tree sometimes!

1. **Title:**

The title should be catchy (remember it will go on the board).
Start with "A study of…" or "An investigation of…" Or restate your question you want to answer in a fun, creative way.

2. **Question/Problem:**

What question did you wonder? What problem did you want to solve?

3. **Background Research:**

Tell a few sentences about what you learned before you chose your hypothesis. This is a quick summary, not everything from your research. The judges can ask you questions or look in your notebook to learn more.

CITE your sources

4. **Hypothesis:**

This is a testable statement:

If …….. Then ……. Because

5. **Variables:**

Independent, Dependent, and Control

6. **Materials:**

This can be a bulleted list. Include everything you used!

7. **Procedure - Experimental Steps - What did you do - How did you start:**

You must write and explain everything you do specifically (WRITE IT IN YOUR NOTEBOOK AS YOU GO). You should be able to hand your procedure to someone who knows nothing about your project and they should be able to understand your project.

It is best to write this in **outline form** and you can always revise it.

Using a numbered outline for this is fine:

1. First I
2. Next
3. After that

*Feel free to include pictures (Try not to include faces)

8. **Data:**

You will need to collect data and represent it using graphs and tables.

The graphs/tables can be hand drawn, or created in a computer program like google sheets (excel).

9. **Results/Discussion:**

This is the data (your charts and graphs) written in paragraph form.

These are NOT opinions. You will share if your hypothesis was correct.

A SHORT SUMMARY

- Use complete sentences
- Use average or number results
- Discuss what the numbers in the data mean
- Describe anything that is interesting: “WOW factors”
- Be short and sweet and to the point.

10.Conclusion:

This is a summary of your investigation. Just a couple sentences. What did you learn? What would you do differently next time? How could you expand this experiment into something else?