Rutherford County Homeschoolers

A tri-fold board is ideal, but posters are also fine. The trifold allows for projects to be easily displayed and seen by everyone. **Boards should include the following clearly labeled categories:**

1. Title

● Attention grabbing!

2. Question

- What did you want to find out? (Something student can investigate)
- Example: “Does the temperature of water affect how quickly sugar dissolves?”

3. Prediction/Hypothesis

● What do you think will happen?

4. Background information

- Any facts about the topic?
- 1-2 Sources if applicable
- Parents can help with research

5. Materials

● Simple list of what you used

6. Procedure

- What did you do? Explain the steps/procedure
- Numbered steps are a great idea

7. Results/Data

- Record what happened.
- Drawings, photos, measurements, tally marks, graphs, tables, observations

8. Conclusion

- What happened?
- Was your prediction correct?
- What did you learn?

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Middle School/High School “Requirements”

A tri-fold board is ideal, but posters are also fine. The trifold allows for projects to be easily displayed and seen by everyone. More focus on the Scientific Method. **Boards should include the following clearly**

labeled
1. Title

categories:

● Attention grabbing! **2. Testable Question**

● Example: “How does the amount of sunlight affect the growth of bean plants?” **3. Hypothesis**

● Make a prediction and explain why

4. **Background research**
    - **Students should understand enough about their topic to be able to explain why they chose it**
    - **2-3 reliable sources, *if applicable***
5. **Variables**
    - **Independent variable- what you change/manipulate**
    - **Dependent variable- what you measure/observe (what is affected by manipulating the independent variable)**
    - **Control variable- what you keep the same (what variables did you have to eliminate to avoid results being affected?)**
    - **Control group, *if applicable***
6. **Materials**

● Complete list of all materials used **7. Procedure**

● Detailed enough that the experiment could be reproduced **8. Data**

● Actual data: measurements, graphs, charts, tables, observations, photos, etc

9. Conclusion

● What happened? Was the hypothesis supported? What does the data show? What might have affected the results? What would they change next time?

*Please be sure to include your name on the back of your project board!