

Required Components of Final Science Fair Written Paper **DUE WEDNESDAY, MAY 6TH!**

Be sure to prepare your Final Written Paper in the following order:

1. You must submit Final Written Paper **in a folder** with **all old drafts of the various sections** (see list on the back)
2. **Title page:** Your paper has a title page that includes Title of Science Fair Project, Name, and Class.
3. **Question:** The question is clear and is written in a complete sentence(s).
The Independent variable, the dependent variable, and then control are listed.
4. **Research:** The research is well organized, well written, and relevant to the project.
The comments from the rough draft have be incorporated and the appropriate changes have been made.
5. **Hypothesis:** The hypothesis is clearly stated and includes the explanation of “why”.
6. **Materials:** There is a complete list of materials necessary to perform the experiment. It is listed vertically.
7. **Procedure:** The procedure is complete, replicable, numbered, listed vertically, and in “boss format.”
It is a detailed instruction of your procedure so one could follow the steps to complete your experiment.
8. **Data:** The data is presented in a quantitative (numbers) and qualitative (descriptive) way.
For quantitative data this should include some sort of **graph and table**.
Graph is clear and includes labeled axis, title, and neat.
Chart is clear, neat, and has an appropriate title.
For qualitative data this should include **pictures (drawn or photos) and/or written observations**.
Qualitative data is clear, labeled, neatly set up.

NOTE: Your data needs to be both in your paper and on your board!
9. **Conclusion:** The conclusion should include:
A statement of the purpose of the project; A summary of what happened during the project; A brief restating of the hypothesis and whether it was accepted or rejected; Why you think the results happened with **references back to the research and data**; Suggested changes for the future; and closing remark or future projects.
The comments from the rough draft have been incorporated and appropriate changes have been made.
10. **Bibliography:** On a separate page, the bibliography follows correct format.
BIBLIOGRAPHY title in center of page, alphabetized, and indentation on second line.
All sources are to be included.
11. **Mechanics of Paper:** In your paper you use complete sentences, and make sure it contains few grammatical/spelling errors.
12. **Format:** Paper is typed in **black, size 12, Times or Times New Roman Font**.
Double spaced (except bibliography)
Standard paper format is used (two spaces are each sentences and paragraphs are one tab in),
Each section is labeled (as you would do in a lab report)
Pages are numbered.

The left pocket of my Science Fair Folder Contains:

Please put the items in this order to it is easier for me to check.

Use this list check off list to make sure that you have everything.

- ✓ Science Fair timeline/overview signed by a parent/guardian and student indicating that you are both familiar with the requirements of the science fair.
- ✓ A half sheet of paper "Choosing a Science Fair Topic"
- ✓ A half sheet of paper with your name(s), final science fair question, potential IV, potential DV, potential control group, and potential research topics.
- ✓ Science Fair Research Guidelines (signed by a parent/guardian)
- ✓ Science Fair Research Cards in an envelope
- ✓ Science Fair Research Write Up (original and edited version) with Science Fair Research Write Up Guidelines (signed by a parent/guardian) attached
- ✓ What's Next for the Science Fair: Task 1. Edit and Research Write Up and Task 2. Write hypothesis.
- ✓ Science Fair Hypothesis (maybe be a separate document or attached to research write up)
- ✓ Science Fair Design Plan for Experiment with Science Fair Experiment Approval and Expectations attached.
- ✓ A copy of Science Fair Materials, Procedure, Data Table(s), and Graph(s) and rubric with grade
- ✓ Science Fair Conclusion Directions and Science Fair Conclusion
- ✓ Final Science Fair Board Requirements
- ✓ Required Components of Final Science Fair Written Paper (this piece of paper)

The right pocket of my science fair folder contains the final draft of my science fair paper with all edits.

“I have read and understand the requirements for the final science fair paper.”

Student Signature: _____ Parent signature: _____