Science Fair Paper Format

This packet will show what your final Science Fair report should look like. Include page numbers on each page of your paper. Each page should be labeled with the name of the section except for the Title Page and the Table of Contents.

Your Project's Title
Should be centered several inches below the top of the page.
Write your question underneath.

Your name, grade and teacher should be listed in the lower right hand corner.

First and Last Name
$7^{th}/8^{th}$ Grade
Ms. Hawkins – Period #

Table of Contents

List each section and the page number where it begins.

Do this page LAST – after you have written everything!

Example:

ABSTRACT

**Abstracts should be completed AFTER YOUR PROJECT! This is a summary of your entire project.

Explain how and why you chose this experiment. Highlight and/or summarize the major points or most important points/ideas about your project.

Include the following:

- Purpose of the research
- Procedure
- Data
- Conclusions

Your abstract should only be 250 words or less!

QUESTION AND HYPOTHESIS

Question:

Hypothesis:
If _____, then _____.

Grammar and spelling count!

MATERIALS LIST

List your materials in a bulleted list and be specific. Include EVERYTHING you will need.

Use material names AND the amounts for each.

Example: Instead of “various metal objects” I would say:

- 3 pennies
- 3 nails
- 3 pieces of copper wire (6 inches long)

If you are using a kit don’t just put “kit” – write out what comes in the kit!

PROCEDURES

Explain your procedure step by step, in a numbered list. Use appropriate measurements and units when necessary.

If you will construct any materials or equipment to use in your experiment, explain them HERE.

Include safety information, and remember to include how many times you will repeat your experiment to verify your results.

Remember that we want to be able to REPLICATE our experiment – anyone should be able to pick up your procedures and do your experiment on their own.

DATA TABLE

How will you collect data on your project? Create a table that you could use for this.

This should be specific to YOUR project and what you are doing!

Example:

	Observations	Height of Explosion
Trial 1		
Trial 2		
Trial 3		
Trial 4		
Trial 5		
Trial 6		

Please see Ms. Hawkins if you aren't sure what to do here.

20 FACTS ABOUT PROJECT

Research your project topic and come up with 20 relevant facts. This will help you build your research paper!

Sample questions to research:

- What is the history of my topic?
- Who has previously done work related to my topic?
- How does it work (define vocabulary)?
- How has knowledge about this topic changed over time?
- How has it affected the US? The world?
- What have other students found out about this topic?
- Why do we care about finding the answer to this question?

When you collect facts, MAKE SURE you keep track of the websites you use – you will have to put this into a bibliography.

EVERYTHING SHOULD BE IN YOUR OWN WORDS!

RESEARCH PAPER

Once you have collected your facts, you will use those facts to write a short paper about your topic.

Tell me about your topic, NOT your experiment!

This should be written as an informative paper – introduction, supporting paragraphs, and a conclusion.

As part of your conclusion, include how you will use the information you found to do your experiment.

Example: “Now that I know about how static electricity affects the gravitational pull of an object, I will test these by…”

SPELLING AND GRAMMAR COUNT!

RESULTS

After doing your experiment, describe the results that you found in one or two paragraphs.

This should be in your OWN words and describe what happened when you followed your procedures.

Your results should go along with a filled in DATA TABLE/CHART/PHOTOS.

Make sure they are well organized and understandable!

CONCLUSION

Write this section after you have finished preparing your results.

Briefly summarize your results – in the past tense!

Restate your hypothesis, and tell how your data supported or did not support your hypothesis.

Give your interpretation of your results and discuss their significance.

Don’t hesitate to mention difficulties you had or mistakes you made.

Give one or two suggestions for what you would do next based on your results.

ACKNOWLEDGEMENTS

Thank the people who helped you with your project and what they helped you with.

This section is optional!

BIBLIOGRAPHY

List any books, articles, websites, etc. that you used or got information from for your project.

Make sure they are listed in alphabetical order and in the correct format!

Notes on Sources:

- We will add these to Noodle Tools to make our bibliography
- You should have at least 5 of your OWN sources
- We will add the ISEF Rules in together – this must be a 6th source!
- You CANNOT USE WIKIPEDIA!

Noodle Tools (www.noodletools.com)

Username: raarams

Password: gorams

SCIENCE FAIR FORMS

Make sure you complete and turn in the Science Fair forms that were handed out to you!

Every student MUST turn in:

#1
#1A
#1B

Additional forms may be required, depending on the nature of your project.

Requirements for each form:

Form #1 – Checklist for Adult Sponsor

- Write the names of ALL students working on project
- Write project title
- Check to see if any additional forms might be required

Requirements for each form (continued):

Form #1A – Student Checklist

- Line 1: Write YOUR NAME, grade, email and phone number – each student will turn in one of these.
- List your partner, if you are working with someone.
- Line 2: Write the title of your project
- Line 8: Where will you do your experiment?
- Line 9: Write the address of the place where you will do your experiment.

Form #1B – Approval Form

ALL SIGNATURES AND DATES SHOULD BE DONE IN BLUE INK!!

Include Student's Printed Name, Signature, and Date.
Include Parent's Printed Name, Signature, and Date.