Science Fair Journal 2018-2019

This Journal Belongs To:

Teacher/Grade/Period:

Timeline:

Statement of Problem	September 28th
Review of Literature (RD)	October 12th
Review of Literature (FD) with Bibliography	October 19th
Introduction and Hypothesis	November 2nd
Variables and controls	November 9th
Materials and Procedures	November 16th
Data and Results	December 7th
Conclusion and Recommendations	January 11th
Abstract and Acknowledgements	January 18th
Display Board Due	February 1st
GPA Science Fair	February 11th
Greater San Diego Science Fair *must qualify*	March
ISEF (Intel International	May 12 th -17 th
Science and Engineering Fair) *must qualify*	Phoenix Arizona

Dates are subject to change

Table of contents:

Abstract
Acknowledgements
Introduction
Review of Literature
Statement of Problem or Purpose
Hypothesis
Materials
Procedure
Findings
Conclusion
Recommendations
Bibliography
Appendix
Raw Data

Abstract

It is 200-250 words.			

Acknowledgements

Introduction

Here, you tell why and how your project came to be. In no more than a single page, give a brief overview of the background and goals of your project, and why you chose the project?

Examples:
"Ever since I was a little kid, I've dreamed of being a world class skateboarding champion
"I've also worried about the dangers of
"My topic has great scientific implications because

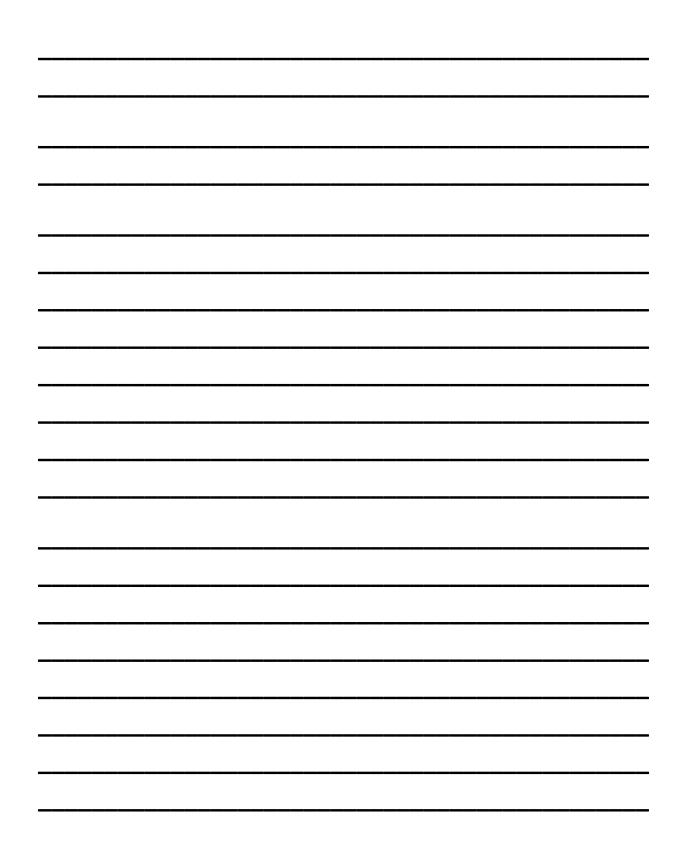
Review of Literature

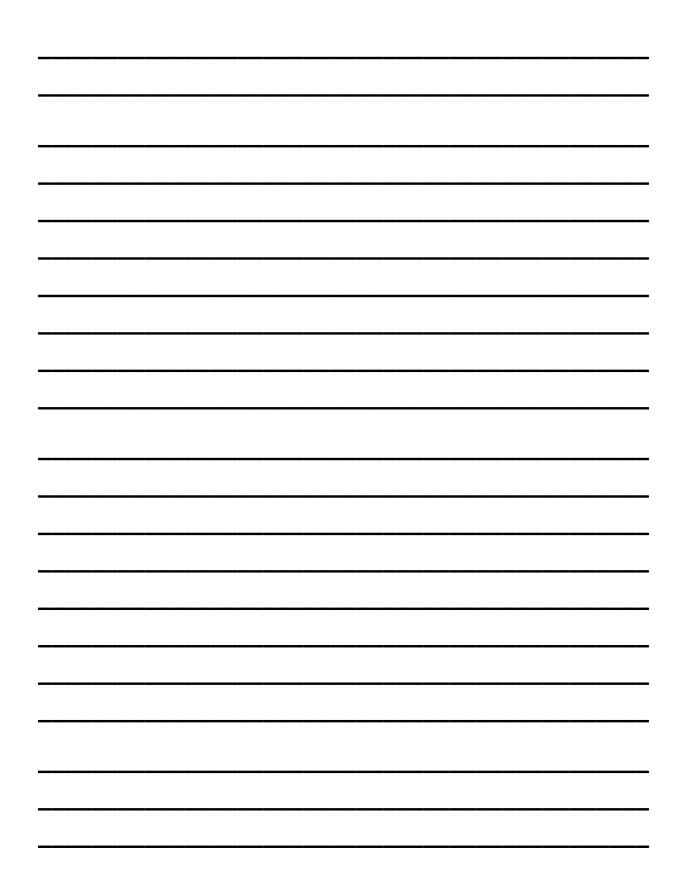
This section of your notebook is a report on the topic you have researched you've your project. Write it so that a reader can see how much work you have done. This report should be 5 paragraphs typed and will summarize the information you found about your topic before you start your experiment. This report should be in MLA format:

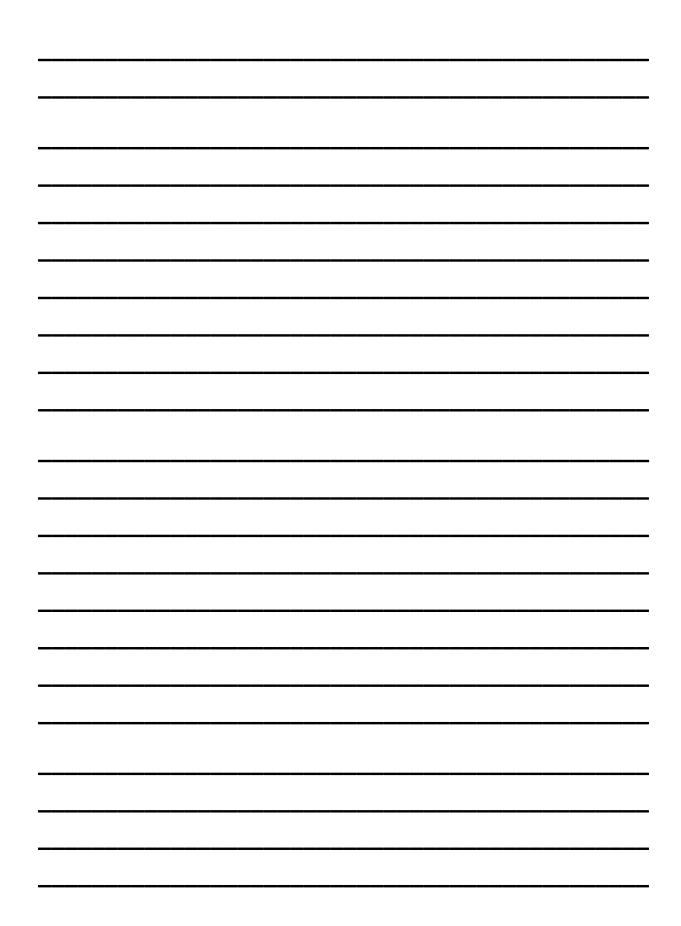
- Introductory Paragraph (generates interest and indicates what is coming)

Concluding Paragraph (nulls all the information together)

- Main body (3 paragraphs that describes information you found while researching your topic- the materials you will be using, methods, any other interesting facts)
- ** COPYING, REPHRASING OR REPORTING ON SOMEONE ELSE'S WORK OR IDEA IS ONLY OKAY IF YOU GIVE THEM CREDIT AND CITE YOUR SOURCE!!!







	
 	·····
	

Statement of Problem or Purpose

State the problem for which you want to find an answer. This is where you state what "intrigued" you about your topic, why you are so "passionate" about it.				
,				

Hypothesis

Based on your review of the literature about your topic, the research paper you have written and the problem you have identified, you are ready to ask a question about your topic and make an "educated guess" or "prediction" as to what the answer/outcome will be.

It must be an If	Then	Statement:	

Variables and Constants

Research and determine what your variables and constants will be:

Independent Variable	
Dependent Variable	
Control	
Constants	

This section is exempt for students doing an engineering project

Materials

Everything you used in your experiment should be listed on this page:

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

11.

12.

13.

14.

15.

16.

17.

18.

19.

20.

Procedures

On this page give a step-by-step description of how you tested your hypothesis. More details are better than too few!

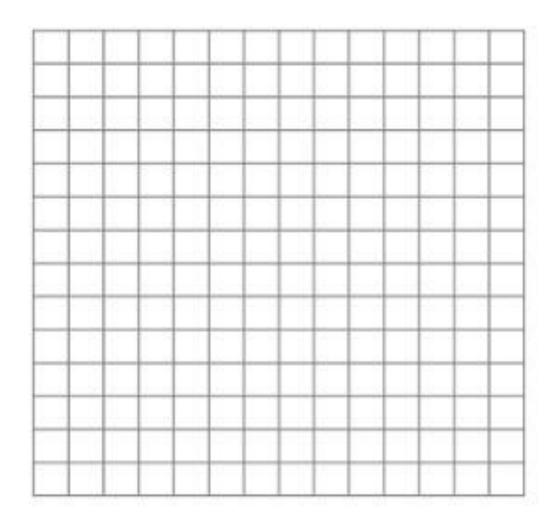
- 1.
- 2.
- 3.
- 4.
- **5**.
- 6.
- **7.**
- 8.
- 9.
- **10**.
- 11.
- **12.**
- **13**.
- 14.
- **15.**
- **16.**
- **17**.
- 18.
- 19.
- 20.

Data

Data Tables, graphs, ect. Use this as a rough draft and then use a graphing software on a computer for your final draft. Google forms is the easiest to use.

Add more lines to the table if you need it.

Independent Variables (What you are Changing)	Trial 1 (Dependent Variable- What you are Measuring)	Trial 2	Trial 3	Average



Discussion (results and conclusion) Results

Put your data into words. Describe your tables and graphs here:	

Conclusion

пож	did all your tests and experiments work out? This is where you give the answer to your hypothesis. What did you do, what did you learn, and did you have any problems with your experiment?

Recommendations

ou were to do this project again, how would you improve it? How would you change you testing procedure? Would you do more research? How could you improve the proje			
Could you extend it into a project for next year? Why would you not do it again?			

Bibliography

•			

Name:	Teacher:	Period:	

Science Project Grading Document

Due Date	Assignment	Points
Sep 28 th	Statement of	
30P 20	Problem/Purpose	
Oct 12 th	Review of	
	Literature (RD)	
Oct 19 th	Review of	
	Literature (FD)	
Nov 2 nd	Introduction and	
	Hypothesis	
Nov 9 th	Variables and	
	Controls	
Nov 16 th	Materials and	
	Procedures	
Dec 7 th	Data and Results	
Jan 11 th	Conclusion and	
	Recommendations	
Jan 18 th	Abstract and	
	Acknowledgements	
Feb 1 st	Display Board Due	
Feb 11 th	GPA Science Fair	