Science Fair Due Dates 2015-2016

September-

- 15- Intro and research in library
- 22- Research in library- Bring logbook from now on
- 29- General topic and research question due

October-

- 6- Research plan due
- 13- Preliminary outline and resources due
- 26- Research notes due
- 27- Intro paragraph due
- 28- IA/ IB paragraphs due

November-

- 3- IIA/IIB paragraphs due
- 9- IIIA/IIIB paragraphs and conclusion paragraph due
- 17- Rough draft due

December-

- 1- Abstract due
- 8- Final research paper due
- 15- Hypothesis and experiment plan due
- 15- January 8- Test hypothesis with experiment

January-

- 12- Graph and table due
- 21- Project conclusion
- 26- Binder due
- 29- Science fair- Parents are invited to attend

.



Background Research Plan Worksheet

	List the keywords and phrases from your question and the topic in general. (Hint: Use an encyclopedia to help you)	What is the question you are going try to answer with an experiment?
--	--	--

2

<u>ယ</u> Now use your keywords to build some questions to guide your background research. Develop at least two or three from each "question research. And don't forget to "network" with knowledgeable adults who can help guide you toward good materials! word." Don't worry about whether you already know the answer to the question—you'll find the answers when you do your background

	1	г
How	Why	Question Word
How does happen? How does work? How does detect? How does one measure? How do we use??	Why does happen? Why does? Why?	Ouestion Possible Questions (you can think of others) the previous column. Write down the relevant questions and use them to guide your background research.

down any step or task that requires a formula or equation. Don't worry about whether you already know what the formula or equation is—you'll find the actual equation when you do your background research.

List steps or tasks that may require a formula or equation:

Copyright © 2005-2007 Kenneth Lafferty Hess Family Charitable Foundation. All rights reserved. http://www.sciencebuddies.org/
You may print and distribute up to 200 copies of this document annually, at no charge, for personal and classroom educational use. When printing this document, you may NOT modify it in any way. For any other use, please contact Science Buddies.

a

Торі	c Questior	1:				

			My Workir	ng Outline		
1.						
	A.					
	В.					
11.						
	A.					
	В.					
Ш.						
	A.					
	В.					

Introductory Paragraph Start the paragraph with an attention getting quote about your problem. Comment about the quote in a sentence or two. Use transition sentences to link the quote with your thesis statement. Write you thesis statement as the last sentence of your introductory paragraph.

BODY PLAN ROMAN NUMERAL IA

OUTLINE POINTS	
l	
A	
TRANSITIONAL TOPIC SENTENCE: (must include words in outline point I and A)	

MAIN IDEA	PAGE#IN LOGBOOK	RESEARCH INFORMATION with CITATION
1.		
×		
2.		

- 1. Do you have at least one supporting resource for each main idea?
- 2. Does the information on each page support/explain both the outline point and the main idea you have listed in the box.

Paragraph Plan Template Outline I A.

Transitional Topic Sentence:	
Reason 1:	
Example from page #	DON'T FORGET YOUR CITATIONS AT THE END!
Reason 2:	
-	
Example from page #	

BODY PLAN ROMAN NUMERAL IB

DUTLINE POINTS	
1.	
B	
RANSITIONAL TOPIC SENTENCE: (must include words in outline point I and B)	

MAIN IDEA	PAGE # IN LOGBOOK	RESEARCH INFORMATION with CITATION
1.		
2.		
	\$	

- Do you have at least one supporting resource for each main idea?
 Does the information on each page support/explain both the outline point and the main idea you have listed in the box.

Paragraph Plan Template Outline I B.

Transitional Topic Sentence:	
Reason 1:	
Treadon II.	
Example from page #	- DON'T FORGET YOUR CITATIONS AT THE END!
Reason 2:	
reason Z.	
Example from page #	
	·

BODY PLAN ROMAN NUMERAL IIA

OUTLINE POINTS	W ₂
II.	
A	
TRANSITIONAL TOPIC SENTENCE: (must include	de words in outline point II and A)

MAIN IDEA	PAGE # IN LOGBOOK	RESEARCH INFORMATION with CITATION
1.		
2.		

^{1.} Do you have at least one supporting resource for each main idea?

^{2.} Does the information on each page support/explain both the outline point and the main idea you have listed in the box.

Paragraph Plan Template Outline II A.

Transitional Topic Sentence	e:
Reason 1:	
	-
	DON'T FORGET YOUR CITATIONS AT THE END!
•	
Reason 2:	
Example from page #	

BODY PLAN ROMAN NUMERAL IIB

OUTLINE POINT	-s
11.	
В.	
TRANSITIONAL	TOPIC SENTENCE: (must include words in outline point II and B)

MAIN IDEA	PAGE # IN LOGBOOK	RESEARCH INFORMATION with CITATION
1.		
2.		

- Do you have at least one supporting resource for each main idea?
 Does the information on each page support/explain both the outline point and the main idea you have listed in the box.

Paragraph Plan Template Outline II B.

Transitional Topic Sentence:
Reason 1:
Example from page # DON'T FORGET YOUR CITATIONS AT THE END!
Reason 2:
Example from page #

BODY PLAN ROMAN NUMERAL IIIA

OUTLINE POINTS		
III		
A		
TRANSITIONAL T	OPIC SENTENCE: (must include words in outline point III and A)	

MAIN IDEA	PAGE # IN LOGBOOK	RESEARCH INFORMATION with CITATION
1.		
·		
2.		
•		

- 1. Do you have at least one supporting resource for each main idea?
- 2. Does the information on each page support/explain both the outline point and the main idea you have listed in the box.

Paragraph Plan Template

Outline III A

Transitional Topic Sentence	9:
Reason 1:	
	,
	DON'T FORGET YOUR CITATIONS AT THE END!
Reason 2:	
Example from page #	

BODY PLAN ROMAN NUMERAL IIIB

OUTLINE POINTS	
III	
B+	
TRANSITIONAL TOPIC SENTENCE: (must include words in outline point III and B)	

MAIN IDEA	PAGE # IN LOGBOOK	RESEARCH INFORMATION with CITATION
1.		
		·
2.		

^{1.} Do you have at least one supporting resource for each main idea?

^{2.} Does the information on each page support/explain both the outline point and the main idea you have listed in the box.

Paragraph Plan Template Outline III B.

Transitional Topic Sentence:	
,	
Reason 1:	
Reason 1:	
Example from page # DON'T FORGET YOUR CITATIONS AT THE END!	
Reason 2:	
Example from page #	

Conclusion Paragraph

Summarize the research paper by restating the main points you have discussed and
reword the thesis statement.
State the project question you are trying to answer.

Abstract

The abstract is a concise synopsis of the project's research. It briefly describes what was learned during the research process. It will be placed at the beginning of the research paper after the printed outline and will also be posted the final science fair board.

The abstract must be at least 100 words and no more than 150 words. It should be formatted as the rest of the paper in 12 pt. Times New Roman.

Example-

The knee is made of components that can be easily injured. Muscles, bones, tendons, and ligaments all work together and if one is not working properly the knee is not efficient. Both internal and external stresses are placed upon the knee. Some people are more inclined to suffer from knee injuries because of a genetic marker. The amount of the stress that is placed on the knee in the demi plie' position seems to be less that the stess that is placed on the knee in the grande' plie' position. Some research as shown that ballet dancing helps to strengthen people with naturally weak knees. Knee injuries are very common. The most drastic treatment is surgery to replace or repair torn ligaments and tendons. Many other treatments are also available. The experiment will test the hypothesis that if a grande' plie' bends the knee farther then more stress is placed upon the ligaments and tendons within the knee.

	·

Hypothesis and Experimental Procedure Plan Worksheet

Please write out proposed hypothesis that you will be testing:	
Please list materials to be used in experiment:	
·	
Briefly list the steps that will be followed to conduct the experiment:	
	~

Project Conclusion

Write a few sentences comparing the data collected in the experiment to the original hypothesis
Write a sentence that answers your topic questions based on your results
Write one or two sentences suggesting further study into this topic.