

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

Name: _____

1. What is the question you are going try to answer with an experiment? _____

2. List the keywords and phrases from your question and the topic in general. (Hint: Use an encyclopedia to help you)

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

Question Word	Possible Questions (you can think of others)	Substitute your keywords (or variations of your keywords) for the blanks in the previous column. Write down the relevant questions and use them to guide your background research.
Why	Why does _____ happen? Why does _____ work? Why _____?	
How	How does _____ happen? How does _____ work? How does _____ detect _____? How does one measure _____? How do we use _____? How _____?	

Question Word	Possible Questions (you can think of others)	Substitute your keywords (or variations of your keywords) for the blanks in the previous column. Write down the relevant questions and use them to guide your background research.
Who	Who needs _____? Who discovered _____? Who invented _____? Who _____?	
What	What causes _____ to increase/decrease? What is _____ made of? What are the characteristics of _____? What is the relationship between _____ and _____? What do we use _____ for? What _____?	
When	When does _____ cause _____? When was _____ discovered? When _____?	
Where	Where does _____ occur? Where does _____ get used? Where _____?	

4. To analyze the results from experiments you might need to know some **key formulas or equations**. Think about your own experiment and write 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:

Topic Question: _____

Thesis: _____

My Working Outline

I.

A.

B.

II.

A.

B.

III.

A.

B.

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

I. _____

A. _____

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

MAIN IDEA	PAGE # IN LOGBOOK	RESEARCH INFORMATION with CITATION
1.		
2.		
3.		

CHECK FOR THE FOLLOWING

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 # _____

Reason 3: _____

Example from page # _____

BODY PLAN
ROMAN NUMERAL IB

OUTLINE POINTS

I. _____

B. _____

TRANSITIONAL TOPIC SENTENCE: (must include words in outline point I and B)

MAIN IDEA	PAGE # IN LOGBOOK	RESEARCH INFORMATION with CITATION
1.		
2.		
3.		

CHECK FOR THE FOLLOWING

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 B.

Transitional Topic Sentence: _____

Reason 1: _____

Example from page # _____ - DON'T FORGET YOUR CITATIONS AT THE END!

Reason 2: _____

Example from page # _____

Reason 3: _____

Example from page # _____

BODY PLAN
ROMAN NUMERAL IIA

OUTLINE POINTS

II. _____

A. _____

TRANSITIONAL TOPIC SENTENCE: (must include words in outline point II and A)

MAIN IDEA	PAGE # IN LOGBOOK	RESEARCH INFORMATION with CITATION
1.		
2.		
3.		

CHECK FOR THE FOLLOWING

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: _____

Reason 1: _____

Example from page # _____ - DON'T FORGET YOUR CITATIONS AT THE END!

Reason 2: _____

Example from page # _____

Reason 3: _____

Example from page # _____

BODY PLAN
ROMAN NUMERAL IIB

OUTLINE POINTS

II. _____

B. _____

TRANSITIONAL TOPIC SENTENCE: (must include words in outline point II and B)

MAIN IDEA	PAGE # IN LOGBOOK	RESEARCH INFORMATION with CITATION
1.		
2.		
3.		

CHECK FOR THE FOLLOWING

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 B.

Transitional Topic Sentence: _____

Reason 1: _____

Example from page # _____ - DON'T FORGET YOUR CITATIONS AT THE END!

Reason 2: _____

Example from page # _____

Reason 3: _____

Example from page # _____

BODY PLAN
ROMAN NUMERAL IIIA

OUTLINE POINTS

III. _____

A. _____

TRANSITIONAL TOPIC SENTENCE: (must include words in outline point III and A)

MAIN IDEA	PAGE # IN LOGBOOK	RESEARCH INFORMATION with CITATION
1.		
2.		
3.		

CHECK FOR THE FOLLOWING

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: _____

Reason 1: _____

Example from page # _____ - DON'T FORGET YOUR CITATIONS AT THE END!

Reason 2: _____

Example from page # _____

Reason 3: _____

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.		
3.		

CHECK FOR THE FOLLOWING

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: _____

Example from page # _____ - DON'T FORGET YOUR CITATIONS AT THE END!

Reason 2: _____

Example from page # _____

Reason 3: _____

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.

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.
