Name:	Period	Date	
research, and investigation. Th	e science fair will be on Jan. 27 th 20	ome final decisions on their choices .016. Judging will take place at 4pm t, due dates, and points are as follo	1
Who is your pa	rtner	YOUR .	a transfer and the
		SCORE	

5pts.	Proposal page 1	10-23-2015	
5pts.	Parent/student sign page 2	10-30-2015	
5pts.	Outline (short)	11-13-2015	
15pnts.	Rough draft outline Fill in.	11-23-2015	
20pnts	Rough draft Separate papers	12-17-2015	
20pnts.	Final draft Separate papers in report sleeve	1-06-2016	
30pnts.	Presentations	1-20-2016	
			/100pnts.

Science Fair Project Proposal

(One per group) DUE

Partner #1: Nanc Phone#	Partner #2: Name:
A. Choosing a Partner Did you ask yourself/partner: Can you work closely with him	choose WISELY! n/her until January (and possibly beyond)? at you are able to meet outside of class? work with this person?
and the computer will choose ☐ Choose something you are tr ☐ Consider the time of year? (e snow hits!) ☐ Check you have ONE indepe ☐ Check you have a dependent ☐ Determined if it's possible to	rg? It's a great place to start! Try the "Topic Selection Wizard" a best fit for you!
How doesIndependent Variable	affect?
 □ No cruelty to humans (eg. sle □ No explosives, firearms, wea □ No surveys of preference (eg □ No product testing (eg. Which 	se check) ink (eg. no energy drink testing) ep deprivation) or animal subjects cons, pesticides, or hazardous (including biological) materials . Which is better, Coke or Pepsi?) a shampoo/gum/moisturizer/etc. is the best?) . Do plants grow better in light or dark?)
Project Summary:	
Title of Project (Try to make it interesting/funny/ creative/catchy)	
Independent Variable (What factor are you testing? 1 only.)	
Dependent Variable (What are you measuring for your results? What are the units? 1 only.)	
Control Variables (What stays the same throughout? List AT LEAST 5. Try for 10.)	



Science Project Proposal Form

	是在自由的。 10.00000000000000000000000000000000000	Name:	
Trib.	a anaction I plan to investigate in m	sy experiment (please phrase as a question):	
T III	e dueston i high to mi entergate in m	, experiment (press press pres	
	and the second s		
	ience Fair Project Question Checkli	st	Yes/No
1.	Your teacher may put some restriction	ons on projects. Have you met your teacher's requirements?	Yes/No
2.		d about, then work on for the next couple months?	Yes/No
3.	Can you find at least 3 sources of wa		I ES / INO
4.	quantity such as a count, percentage Or, just as good, are you measuring example, Lights ON in one trial, then USE fertilizer in one trial, the	nen DON'T USE fertilizer in another trial	Yes / No
5.	Can you design a "fair test" to answ factor (variable) at a time, and contr they do not interfere?	er your question? In other words, can you change only one ol other factors that might influence your experiment, so that	Yes / No
6.			Yes/No
7.	Do you have all the materials and ed be able to obtain them quickly and a	quipment you need for your science fair project, or will you	Yes/No
8.		r experiment more than once before the science fair?	Yes/No
9.	If you are planning to enter a science		Yes/No
	 Have you checked to see if you before you begin experimentation 	science fair project will require approval from the fair on?	Yes / No
fo St	llowing through on this project. tudent Signature	the checklist with my parent(s) and I am willing to commit Date the checklist with my student and I believe he or she can for	
$\overline{\mathbb{P}}$	arent Signature	Date	

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((.),)

1. What question are you going to answer? (What is your topic?)
2. Why do you think this is an important topic to research? (Why does it matter? What would it help solve?)
3. What is your hypothesis? (What do you think you are going to find out?)
4. Before you start your project, you will need to do some background research on your topic. Find
3 possible resources (books, websites). (NO WIKIPEDIA or "answers.com" type sites.) a)
b)
5. What materials will you need for your study or experiment? (Be specific – amounts/sizes/cost. Be sure you can afford it and know where they can be found or purchased. GMS cannot provide consumable materials.)
6. Using numbered steps, outline the <u>procedure</u> for your project. How will you get your results?
7. List the risks involved and what safety precautions you will take to make this project safe. (Include "consent forms required" if you are including human or animal subjects)

Due -

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		ν.

Name:	
Date:	

SCIENCE FAIR: PROPOSAL OUTLINE

This outline will help you organize your science fair proposal. Use the attached report as an example. You will use this outline to write your proposal in paragraph form.

	RODUCTION: Give a brief summary of the investigation and describe the rational blem, and hypothesis.
	mmary. Briefly describe the project in 2-4 sentences.
Wł	ny do you want to conduct the experiment? (Rationale)
W	nat do you hope to learn about? (Research Problem)
 WI	nat do you predict will happen? (Hypothesis)
Ba	ckground information. List background facts/information that you have gathere
ab	out your problem from at least three different sources.

4. a. b. c. d.	Experimental Design Diagram. Write the independent variable (what you change) (IV) across the top of the rectangle. Divide the rectangle into labeled columns to represent the different levels of the independent variable. Write the number of trials in each column. Write the dependent variable (what you measure/observe) (DV), constants, and control beneath the rectangle.
IV:	
	: nstants: ntrol:
5.	Method. How will you test your hypothesis? List ALL of the steps you will follow to complete the experiment. Include how long the experiment will take to complete. List all materials and equipment you will need for your experiment.
	List all materials and equipment you will need for your experiment.

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10,50

6.	Results. Describe how you will collect your results.
,	
a.	Design a data table. Specifically label the table.
b.	What other data will you collect? Sketches? Photographs? Samples?
C.	How will you display the data? Charts? Graphs? Photos?
7.	References. List at least three sources (books, websites, magazines, etc.) you
	used to gather background information for the project. Your sources must be written in proper format. You must alphabetize your sources on your proposal.
Source 1.	
Source 2.	

ource	
	Write your proposal. Now you are ready to write your proposal in paragraph form, including the Experimental Design Diagram. Use this completed outline and the example proposal to help you write the proposal. Your report should be typed, using size 11 or 12 Arial or Times New Roman fonts.
	Title Page. Create a title page that lists the title of your proposal, name, date, and class period. This should be the cover of your report.
),	Attach this outline, your "Getting Started" paper, and the "Grading Rubric" to the back of your final proposal.
1.	Turn in the rough draft by:
	Turn in the final draft by: