Date:	Name:	
HR:	Partner:	
Science Fair Step 1 – Esta	ablish Testable Questic	on
Topic:		
Possible Question: (circle independent v	ariable & underline dependent variab	le)
Hypothesis:		
Why do you expect that to happen?		
How will you control the independent varia	ble?	
How will you measure the dependent varial	ble?	
List 3 (or more) things you will background 1)	l-research about your topic	
2)		
3)		
Approved:		Date:

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HR:	Partner:
Science Fair Step 2 – Backgro	ound Research
What experiments have already been done? What other variables have been tried? What other hypotheses have been tested? Attach bibliography and photocopies of cited material.	
How does your research contribute to existing kno	wledge? How is it relevant to the world?
What information supports your hypothesis? Wha	tt information suggests a different hypothesis?
Why did you choose this question?	

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Science Fair Step 3 – Est	ablish Procedure
What is your control?	
What other variables will you need to keep How will you measure these variables?	the same? How will you keep these variables the same?
•	
Materials: What equipment and materials	will you use? Attach materials and equipment list.
Set up: How will you set up your experim	ent to perform the test? Attach a sketch of your set up.
	What will your data table look like? Create a data table on a sheet. Provide space for recording the "other" variables.
	speriment? Write a step by step procedure on a separate sheet e set up and measurements of control and "other" variables.
Approved:	Date:

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HR:	Partner:
Science Fair Step 4 – Collect Data Does your equipment require calibration? Have your tested it against standards? How?	
What are some sources of error? How do you know	ow your data is reliable?
Use your data sheet to collect data. Attach the da	ta sheet.
Record observations every time you collect data.	Attach your observations.
What other things effected your data as you were	collecting it? How did these things effect your data?
How did you have to change your original proced	lure to get the results you reported?
Approved:	Date

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HR:	Partner:	
Science Fair Step 5 –	Data Analysis and Con	clusions
Put your data into words. Report yo	our observations as part of your data sto	ory. DO NOT SUMMERIZE.
Summarize your data.		
What calculations did you do? Why	?	
What does your data mean?		
What does your data mean.		
Was your hypothesis right? Use you	ur data to prove your hypotheseis right	or wrong.
If your hypothesis was wrong, why?	If it was right, why?	
Approved:		Date:

Date:	Name:
Science Fair Step 6 – Abstract	Partner:
Restate your question and hypothesis. Use Step One to help you with this.	
Discuss background as outlined in Step Two.	
Summerize procedures and set up from Step Three	3.
Tell story of data collection from Step Four.	
State conclusions and important highlights from y	our analysis in Step Five.
Organize and rewrite as an abstract of your projec	t. Put this abstract on your poster board.
Cut your abstract back to 250 words and print it or	ut on the official abstract form.
Approved	Deta

Date:	Name:	
HR:	Partner:	
Science Fair Step 7 – The Poster!		
Poster is white tri-fold presentation board, and mee	ts the space requirements outline in the Rules.	
All elements are typed in black readable font, in pre	esentable format, on white paper.	
Each element is mounted on trimmed colored paper	and arranged neatly on the board.	
The title is catchy and visible across the room.		
Any decoration must communicate important inform	nation about your topic or project.	
Poster is not too busy or too empty, but balanced an	nd professional.	
Name, homeroom and project number are recorded	on the back in black marker.	
Poster scores "Meets Expectations" on Portfolio Sc	oring Rubric. Attach Rubric with actual score.	
Approved:	Date:	