Name	Period	Date
Science Fair Pr	oject	
Mr. Hawkins' Class, Team	7-1	
participated in the science fair 1Team, <u>you are required to p</u> Grade and a series of assignm	ience in action is to participate in the in a previous year of school. As a marticipate in the science fair. The scients leading up to the science fair will y as difficult as you make it. If you dout science.	ember of the very smart 7- ence fair will count as a Test Il also count as daily work
Checklist There are a number of things you checklist is in order and will h Understand the scient Find a science project Research that project Develop a testable hy	ntific method et that interests you et topic	science fair. The following
<u> </u>	teps, in order, necessary to do an ex	xperiment to test your
☐ Gather the materials to ☐ Perform the experime ☐ Record data during th ☐ Analyze the data and ☐ Buy a poster board ☐ Neatly type, print and ☐ Have your parent/gua ☐ Present your science f	nt e experiment come to a conclusion glue all the information about your a rdian sign required paperwork	assignment to the poster board
around them. The steps are sir 1. State the problem or q	question you want to investigate. ne of day is the humidity the highest in	

- a. (Ex: I would go to the library and research humidity records in Brownsville.)
- 3. Formulate a Testable Hypothesis
 - a. A hypothesis is an educated guess that provides an answer to the problem/question.
 - b. (Ex: Humidity is highest at 8:00 a.m. in Brownsville.)
- 4. Perform an Experiment
 - a. (Ex: Using a barometer and computer software, I will record the humidity at each hour of the day over the course of 1 month.)
- 5. Analyze the Data
 - a. (Ex: I would look at the results of my experiment and see what it means.)
- 6. Come to a Conclusion
 - a. You will state whether or not your hypothesis was correct, by looking at the data from the experiment.
 - b. (Ex: It turns out humidity is the highest at 7:00 p.m. My hypothesis was incorrect.)

Name	Period	Date
Science Fair Pro	oposal Form	
Question/Problem		
Testable Hypothesis		
Reasons you believe your hypother	sis is the solution to the question/probl	lem
Step-by-step instructions for your e	experiment	
Materials Needed		
What assistance do you need to co	mplete this project?	

Good Places to Start Looking

http://all-science-fair-projects.com/category0.html

http://www.sciencebuddies.com/mentoring/project_ideas.shtml

http://www.sciencefair-projects.org/

http://www.sciencefairadventure.com/

http://www.terimore.com/

Guidelines

Remember, you are in 7th grade. That means your project needs to be 7th grade level or higher. A simple, elementary school type project will not cut it. If it seems too easy, it probably is. The more challenging your project is, the more likely the judges will be to give you extra points for doing it. Mr. Hawkins reserves final say on whether or not you can do the project.

Questions to Ask Yourself

Do you have all the resources to do this project? If you don't have all the resources, does the school have these resources?

How long will this project take to complete? What help do you need to complete this project?

Frequently Asked Questions

Do I have to do the Science Fair?

Yes. It is required. It counts as a test grade and we will do many assignments.

Can I work with a partner?

No. You need to do an individual project.

When is it due?

The science fair is not until February, but we are going to finish early so we can choose the best projects and have plenty of time to improve the posters and get the paperwork done. The final dates will come later. For right now, the most important thing is to **find a project**.

Where do I look to find a project?

Look at the websites above.

Do I have to buy my own poster?

Yes.

What if I can't find a project?

You're not looking hard enough. There are thousands of good projects out there. Put in the time and effort to do it.

What do I need to do today?

You need to go to one of the websites above (the links are also on the class website, mrhawkinsclass.weebly.com) and find a science fair project you are interested in doing. You will fill out the Science Fair Proposal Form to help you plan your science fair project. I expect you to complete this worksheet by the end of the week.

Where should I keep my papers?

Keep your papers in your folder so you don't lose them.

Name	Period	Date
Source List		
Source List		
You need 5 sources for your science fair research.		
1. Source Name		
Source Type (book, website, video, etc)		
Source Citation		
Source Info		
2. Source Name		
Source Type (book, website, video, etc)		
Source Citation		
Source Info		
Source IIII0		
3. Source Name		
Source Type (book, website, video, etc)		
Source Citation		
Course Lefe		
Source Info		

Name	Period	Date
4. Source Name		
Source Type (book, website, video, etc	2)	_
Source Citation		
Source Info		
5. Source Name		
Source Type (book, website, video, etc	2)	_
Source Citation		
Source Info		