

Science Fair Project Planner

Name: _____ Section: _____

Parent Initials	Due Dates	Task	Teacher Initials	Teacher Comments
	October 18th	Choose a topic and write your project questions.		
	October 25th	Project Research - Research your topic (pg. 1)		
	October 25th	Write your Hypothesis. If...then...because... (pg. 2)		
	November 1st	Materials- List and gather your materials (pg. 3)		
	November 1st	Procedures- Design your experiment by listing the steps (pg. 4)		
	November 15th	Conduct your Experiment- make observations. You must do this a minimum of 3 times (pg. 5)		
	November 15th	Collect data- create a table and a chart or a graph of the data (pg. 6 – 7)		
	November 15th	Photos- Bring printed photos to class		
	November 22nd	Results- Write out your results into a paragraph (pg.8)		
	December 1st	Conclusion- Draw conclusions about your experiment (pg.9)		
	December 8th	Make the project display (follow the guide on pg. 10)		
	December 13th	Presentation of projects		

Project Research

A paragraph describing the science behind you're your project. Find some background information on your topic in a complete paragraph. Give specific facts related to your project. Follow the format below.

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Project Hypothesis

Based on your research, decide what you think will happen. Think like a Scientist would and make sure to make an educated guess using what you learned from your research. Complete both part 1 and part 2 of your hypothesis.

Part 1: What do you think will happen in your experiment, educated guess? Write your **Independent Variable**(I change), **Dependent Variable**(data), and because in the boxes.

Hypothesis:

If

*(explain how you will change the **Independent Variable** in your investigation)*

then

*(explain how you think the **Dependent Variable** will change)*

because

(explain what you have read or observed that makes you think so)

Part 2: Using what you wrote in part 1, create your Hypothesis. Remember to follow the

correct form and write a complete sentence. (If...then...because...)

Project Materials

Make a list of all of the materials you will need to complete the experiment.
Be specific about the brands, sizes, and quantities.

A large, empty rounded rectangle defined by a dashed black line. It is intended for the student to write a list of materials needed for the experiment. The rectangle has rounded corners and is centered on the page below the instructions.

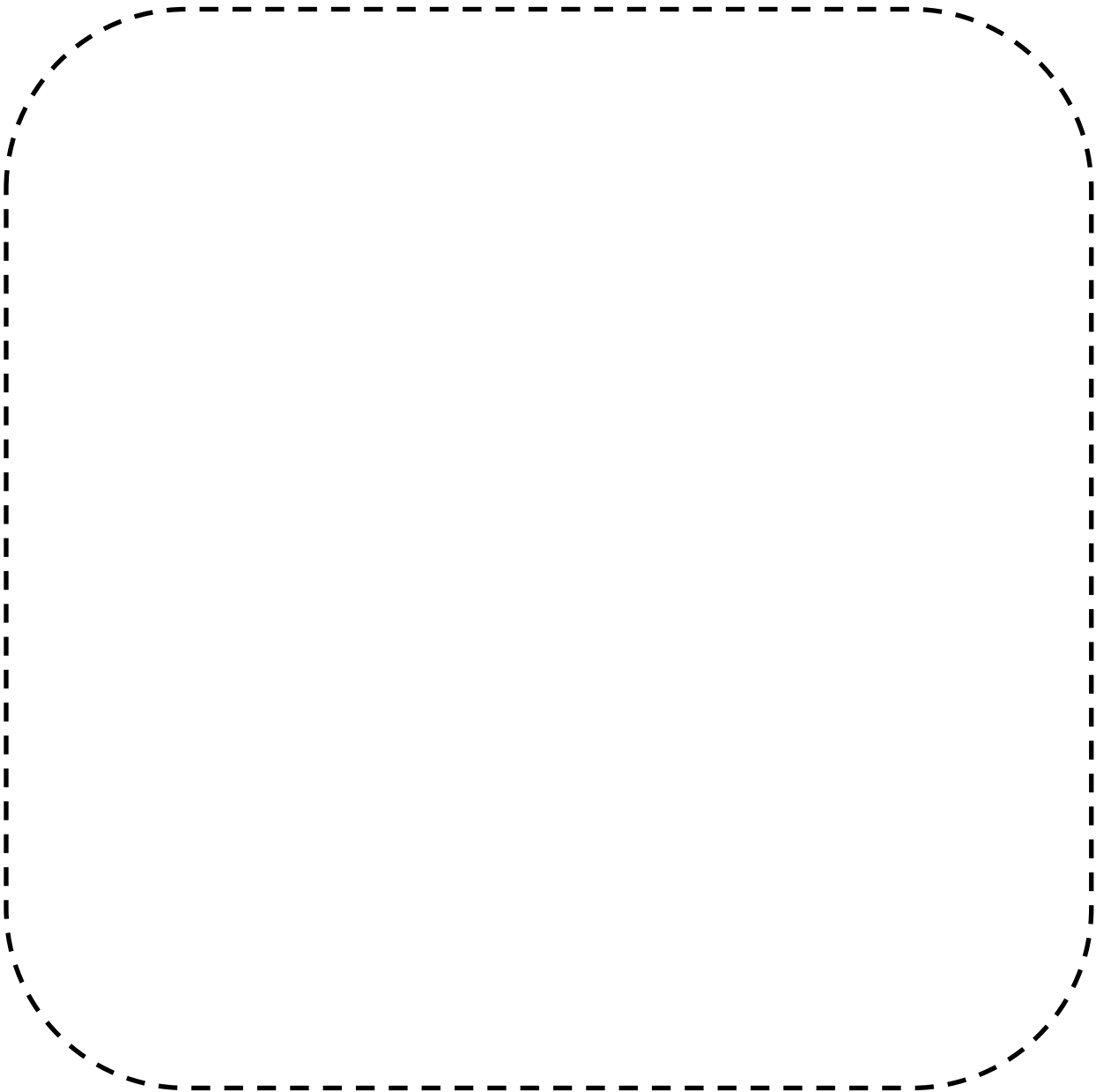
Project Procedures

Write out each step of your experiment. Remember to number each step and clearly explain what to do. Other scientist should be able to follow the same steps and get similar results if they were to repeat your experiment. Each step should start with a verb (mix, stir, gather, measure). Make sure to include quantities and measurements.

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Project Data

Scientists conduct an experiment several times in order to get the most accurate data, so make sure you do the same. Conduct your experiment a minimum of 3 times. During your experiment, you need to collect data and make observations. You will record this information using the space below by creating a data table or observation log.

A large, vertically oriented oval shape defined by a dashed black line. This area is intended for students to create a data table or observation log as part of their project.

Project Data

Using the space below, create a graph in which to display your data. This can be either a bar graph or chart. If your project does not contain numerical data, then create an organized observation log.

Project Results

Write out the results of your experiment in paragraph form. Make sure to include the results of all 3 trials using numerical data as well as any observations that you made.

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Project Conclusion

Summarize what you have learned from the experiment. Analyze the results and use the data gathered to write out a conclusion. Your conclusion should explain all of these things in a paragraph:

- What was investigated? (Describe the problem statement).
- Restate your hypothesis, and tell if you were right or wrong.
- What were the major findings? (Explain your results in words using your data).
- Look at everything that may have affected your results. What possible explanation can you offer for your findings? Did something maybe go wrong that shouldn't have?

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Project Display

Now that you have completed your experiment you will begin setting up your display board to communicate the results of your experiment to others.

Remember, the board is graded based on the content of information that is required to be displayed on the board. Your display board must have ALL of the following components located in the places indicated on the sample board below.

Guidelines:

- Board must measure 36"H X 48"W
- Photo **MUST NOT** include any faces
- Information on the board must all be hand written neatly by the student.

Problem Statement	Title	
	Materials Procedures	Results
Hypothesis		
	Photos	
Research		Conclusion
	Tables, Graphs, and Charts	

Project Components Score Sheet

Name: _____ Section: _____

You will receive a grade for turning in all of the required components of your science fair project contained in this packet completed and on time using the rubric below.

Component	Points Possible	Points Received
Question- Problem Statement	4	
Project Research	4	
Hypothesis	4	
Materials	4	
Procedures	4	
Data - Tables, Charts, & Graphs	4	
Photos	4	
Results	4	
Conclusion	4	
Total Points	36	

- 4- Turned in complete and on time
- 3- Turned in late but complete
- 2- Turned in on time but incomplete
- 1- Turned in late and incomplete
- 0- Not turned in at all

Project Board Score Sheet

Name: _____ Section: _____

You will receive a grade for including all of the required components of your science fair project on the display board in the place shown on the sample board. You will also be graded based on the neatness of your handwriting, spelling and the general appearance of your board.

Component	Points Possible	Points Received
Title	4	
Question- Problem Statement	4	
Project Research	4	
Hypothesis	4	
Materials	4	
Procedures	4	
Data - Tables, Charts, & Graphs	4	
Photos	4	
Results	4	
Conclusion	4	
Total Points	40	

- 4- Exemplary quality with little to no spelling mistakes
- 3- Sufficient documentation with minimal spelling mistakes
- 2- Average quality with some spelling mistakes
- 1- Poor quality with many spelling mistakes
- 0- Not included or labeled on display board

Project Presentation Score Sheet

Name: _____ Section: _____

You will receive a grade based on your presentation of your project. The grade will be determined based on your ability to present your project, answer questions about your project, and

Component	Points Possible	Points Received
Voice	4	
Content Knowledge - Ability to describe all parts of the scientific method	4	
Speaks Knowledgeably - Ability to answer questions about the experiment	4	
Enthusiasm - Students eagerness to tell all about their project	4	
Preparedness - Student practiced presentation at home	4	
Total Points	20	

- 4- Exemplary with minimal prompting
- 3- Sufficient demonstration with minimal prompting
- 2- Average demonstration of knowledge with some prompting
- 1- Poor quality demonstration of knowledge with significant prompting
- 0- Unable to demonstrate knowledge even with prompting