

## Science Fair 2024 – 3<sup>rd</sup> through 5<sup>th</sup> Grade

Dear Parents and Students,

Our Science Fair is on the calendar for the night of **Wednesday, May 1<sup>st</sup>**. **The majority of the work will be done at home**. Projects will be brought to school the **morning of April 26<sup>th</sup>**. This is a very large project and is counted as a major grade in science and language arts. Small parts of the project will be brought by the due dates for the teacher to pre-view and aid in guiding the students.

The science project will consist of three main components. They are as follows:

- A. A type written report** (includes a Research Paper)
- B. A three way poster board display (36" X 48")**
- C. An oral presentation**

The key to your success is to take the Science Fair in small steps. With proper timing, organization, and planning you will be able to create a successful project.

You may choose any science topic with the approval of the teacher using the website <http://www.sciencebuddies.org> . It must be an experiment. **Your project is NOT a model**. Topics must be approved by your teacher and must contain a scientific variable.

The following pages will aid in the explanation of the project. If you have any questions, don't hesitate to ask!

**\*\*Please keep these instructions – bring them back and forth to school until the conclusion of the project.**

Best wishes on a great project!!

Mrs. Krzesinski, Miss Mondary, and Mrs. Begley

## A. The Report

The report is the written record of your entire project. When read by a person unfamiliar with your project, the report should be clear and detailed enough for the reader to understand your topic.

When completing the project, there needs to be a controlled experiment and the other experiment only has 1 variable changed.

Some questions to answer:

- What is my topic?
- Important background information
  - Answers questions
    - i.e. What is the importance of my topic? How does it work? What does it do? How does it react within the environment or effect the environment?
- Why was this something you researched? What interested you in this topic?

Your report should be type written with Times New Roman font, size 12 font, double spaced, front side of paper only, and bound in a clear report covered folder. The report should have proper grammar mechanics. The report also includes a research paper. This is a paper that shares researched information related to your topic or experiment. The report must consist of the following contents:

### 1. Title page

- Name, grade, title of experiment, date of the Science Fair (all centered in middle of page)

### 2. The Research Paper

- Number of Pages per grade – 3<sup>rd</sup> grade- 3/4 to 1 page; 4<sup>th</sup> grade- 1 to 1 ½ pages; 5<sup>th</sup> grade - 1 ½ to 2 pages)

#### 1. The Purpose Statement

#### 2. The Hypothesis

#### 3. The Materials List

#### 4. The Procedure/Method

#### 5. The Results

#### 6. The Conclusion

### 3. The Bibliography

## B. The Three Sided Display

The Science Fair display represents all the work you have done. It should tell the story of your project in such a way that attracts and holds the interest of the viewer. It should be precise, but simple and not too crowded at the same time.

The tri-board must be purchased from the school. The title and headings should be neat and large enough to be read from a distance of about three feet. You may buy and glue pre-cut letters, cut your own letters from construction paper, use stencils, or print letters from the computer and glue it on the board. Your title should go at the top of the center panel.

Title: Purpose/Question of experiment

Purpose: What you want to find out

Hypothesis: Educated guess on what you think will happen

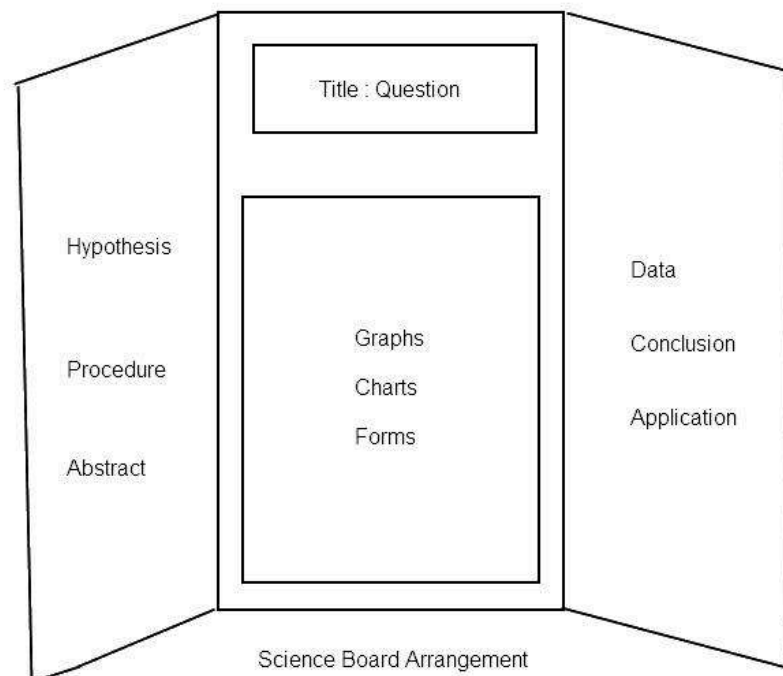
Procedure: Explain each step of how the experiment will be conducted

Experimental Date: Include any research information and pictures of you completing experiments. Step-by-step method of conducting experiment.

Conclusion/Results: What did you learn? Was the hypothesis correct? If you did the experiment twice, did you get the same results? List the other results.

Materials: Items purchased/used/sizes/amounts

Your board should follow these guidelines:



### **C. The Experiment Object**

Experiments must be appropriate for public display. Experiment objects cannot be live animals or require electricity. The experiment object must be included in the final presentation. This should be your completed experiment.

### **D. The Oral Presentation**

The oral presentation includes your greeting (name and grade, voice projection, eye contact, and a brief summary of your project. 3rd grade must be a minimum of 1 minute and a maximum of 2 minutes. 4th grade must be a minimum of 2 minutes and a maximum of 3 minutes. 5th grade must be a minimum of 3 minutes and a maximum of 5 minutes.

## Websites to Help with Science Fair

Science Buddies -

[http://www.sciencebuddies.org/science-fair-projects/project\\_ideas.shtml](http://www.sciencebuddies.org/science-fair-projects/project_ideas.shtml)

Education.com - <http://www.education.com/science-fair/>

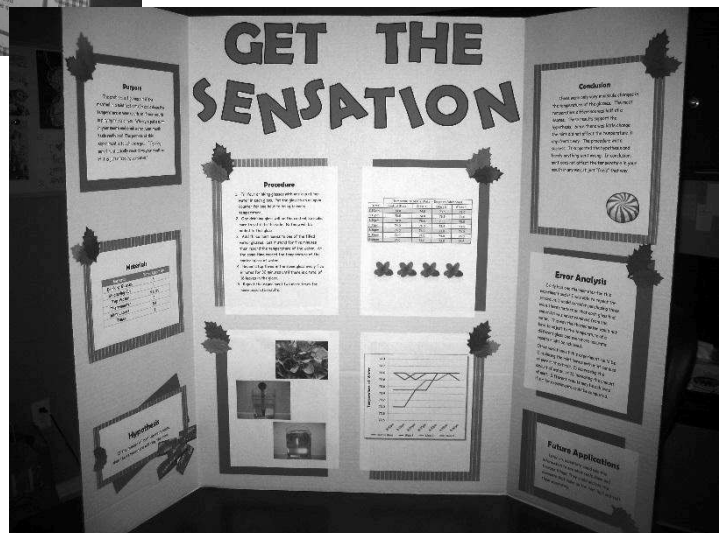
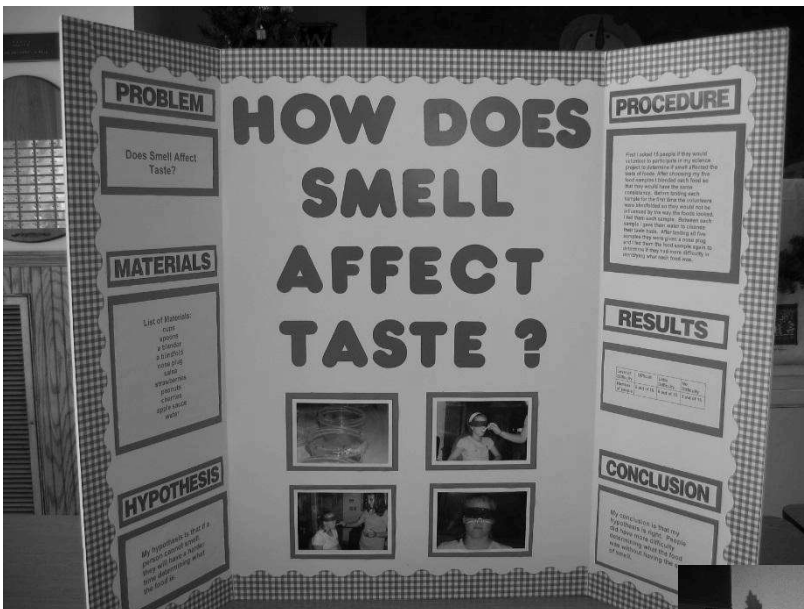
How to Write a Research Paper for a Science Fair -

<http://www.hometrainingtools.com/a/writing-science-report>

Ipl.org - <http://www.ipl.org/div/projectguide/>

Science Fair Projects.com - <http://www.all-science-fair-projects.com/>

### Examples of Tri-Boards:



## Science Fair Due Dates

Student Name: \_\_\_\_\_

Due	Date	Teacher's Signature
Approval of Topic/Hypothesis <b>(Begin experiment upon approval by teacher)</b>	Wednesday, February 7th	
Research Sources Minimum of 2 sources	Friday, February 16th	
Hypothesis	Friday, February 23rd	
The Purpose Statement	Friday, February 23rd	
The Materials List	Friday, March 1st	
The Procedure of the Experiment	Friday, March 1st	
The Conclusion	Wednesday, April 10th	
Tri-board Purchased from School	TBD	
Tri-board Plan Sketch in Notebook	Thursday, April 12th	
Rough Draft of Report with Bibliography	Wednesday, April 17th	
The Report Final Draft	Friday, April 26th	
Oral Report Includes notecards of what is being said	Friday, April 26th	
Completed Science Fair Project Includes tri-board, research paper, procedure notebook, materials	Friday, April 26th	
Science Fair	Wednesday, May 1st	

**\*\*\*Note: each part of the project turned in on time will receive a grade. Each day of delay will cost 2 points off the final project grade. The project will count as two test grades in science and language arts.**

## Science Fair Grade Sheet

Name \_\_\_\_\_

Grade \_\_\_\_\_

Project Title \_\_\_\_\_

		Points Earned
Approval of Topic/Hypothesis	5 points	

<b>Tri-Board Project</b>		Points Earned
Hypothesis	10 points	
The Purpose Statement	5 points	
The Materials List	5 points	
The Procedure/Method	20 points	
The Conclusion	20 points	
Data (Graphs, charts, photographs, etc.)	30 points	
Overall appearance	10 points	
Total	100 points	

## Science Fair Grade Sheet

Name \_\_\_\_\_

Grade \_\_\_\_\_

Project Title \_\_\_\_\_

<b>Written Report</b>		Points Earned
Title Page	5 points	
The Purpose Statement	5 points	
The Hypothesis	10 points	
The Materials List	5 points	
The Procedure/Method	20 points	
The Results	10 points	
The Conclusion	5 points	
Bibliography	10 points	
Mechanics (Correct grammar, punctuation, spelling)	5 points	
Total	75 points	

<b>Oral Presentation</b>	Total	Points Earned
Includes name, grade, summary of project, voice projection, eye contact, meets time requirement	25 points	

Comments \_\_\_\_\_

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