

# Guidelines for Bridge Elementary School Science Night

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## **Types of Projects:**

Below are the main types of science fair projects:

### *Experiment / Investigation:*

Test a hypothesis by performing an experiment using the scientific method.

Example: Dependence of buoyancy on density.

### *Models:*

Build a model to show how something works.

Example: A pin-hole camera.

### *Demonstration:*

Demonstrate how an instrument or something in nature works.

Example: Solar and lunar eclipses using a model of solar system.

### *Research:*

Collect information and data on a topic and present your findings:

Example: Role of DNA damage in causing diseases.

### *Collection:*

Display your collection of interesting scientific artifacts.

Example: Collections of ancient bones, fossils. Sorry, collection of video games doesn't count.

## **Brainstorming Session:**

For additional ideas and/or help in planning your project(s) please attend the Brainstorming Session at Bridge on March 4<sup>th</sup> (details to follow)

## **Requirements:**

- Every project should have a tri fold poster board with information pertaining to the project. The poster should clearly indicate the name of the project and name of the participants.
- Project presentation should be no longer than 5-7 minutes.

### **Science Fair Rules:**

- All participating students must be enrolled in Bridge Elementary School.
- Students can participate either individually or in teams of up to five.
- Every individual / team should have an adult in charge.
- All members of the team must strictly follow the safety rules.
- We encourage the adult in charge to help but the student(s) must do presentations.
- Every team will be given an area approximately 30" X 30".
- There will be no access to electricity.

### **Safety Rules:**

- Do not use dangerous chemicals, firearms and explosives.
- Do not eat or drink during the experiment.
- Do not touch, taste and/or inhale chemicals.
- Do not perform experiments that make the area messy. You will be sharing your table with other participants.

### **Some Resources:**

A great resource for project ideas, poster board design and other useful tips:

<http://school.discoveryeducation.com/sciencefaircentral/index.html>

Resource for explanation of scientific method and suggestions for poster board design:

<http://www.utelementary.org/ourpages/auto/2013/1/9/54511288/ScienceFairGuide%202013.pdf>

Helpful tips and links for all aspects of science fair:

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