

SCIENCE EXPO 2012

Friday, March 30th

6:30-8:00 pm

Grades K-5

In conjunction with the annual *Oak Street Science and Art Expo*, all Oak Street students are invited to participate in the Science Expo.

The Oak Street School Science Expo is NOT a competition. Its purpose is to pique the scientific interests in the creative and intelligent minds of our children.

Participation Guidelines

- Pick a topic. (What are clouds? Electric Lemons! Joy of Mold Gardening, Building Bridges, Will it Sink or Float?). Helpful library book titles and website listings are posted on the Oak Street School Homepage (see Important Links on the homepage).
- You may work alone, with a partner, or with a team (**if working with a partner(s) please submit only 1 form per project*)
- Sign up for the Science Expo using the registration form in today's Friday Folder and return it to school **by March 16th** in an envelope marked "PTO Science Expo".

You should receive an email to confirm the information included on the registration form. If you don't receive an email in a few days, please contact us to make sure your form was received.

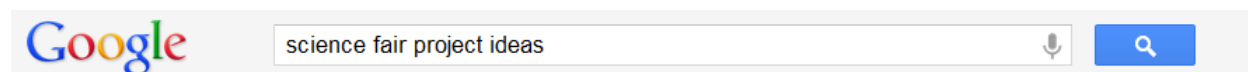
- Conduct your experiments with adult supervision. **Please, NO flames, NO hazardous chemicals, and NO projects involving animals with backbones.**
- Prepare and display your findings at the Science Expo in the school gym on March 30th. Read about how to display your work using a tri-fold poster on the following page.
- If your project encourages participation, you or your parent must be present at all times.
- Representatives from the Science Expo Committee would like to learn about your project! They will be conducting informal interviews and handing out participation certificates. Please be sure to be near your project between 7:00 and 8:00.
- **HAVE FUN!**

How To Pick a Topic

You can get ideas from hobbies, from something you studied in school, or from science books and websites (see the Oak Street School homepage for links).

There are special Science Expo displays set up at the Oak Street Library and the Bernards Township Public Library. Pick a book and find an idea that sparks your curiosity.

There are many websites that have science fair project ideas – Google it!



You might want to ask a question and research the answer, such as:

Electricity

How does a circuit board light up a bulb?
How does a doorbell work?
How does an electric generator work?

Physics

What makes an airplane fly?
How does a steel ship float?
How does sound travel?
How does a siphon work?

Math

How can collections be organized?
What is an interesting property of numbers?
What is an interesting property of geometric figures?

Chemistry

How do soaps work?
What makes a battery work?
What affects evaporation?

Nature

What's inside a seed?
How do things grow (plants, mold)?
What makes yeast grow?

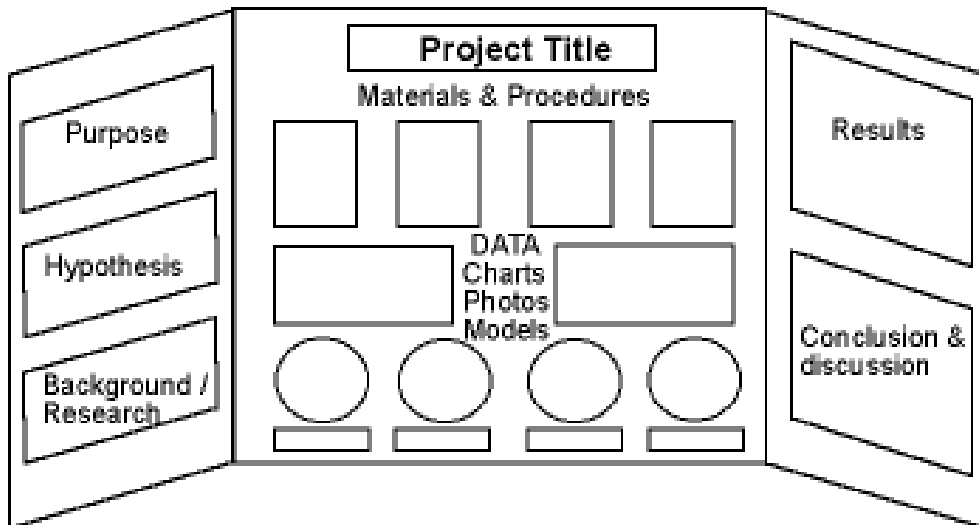
Be creative and have fun!

Displaying Your Work at the Science Expo

- Each project will have a table space of 30" x 30" (one third of a traditional 8 foot catering table). If you need more space or have a project that requires floor space, let us know on the registration form. Any space requirements need to be arranged for prior to the event as this information will be used for table assignments and the program booklet.

- Since most of the tables will NOT be against a wall, a tri-fold board shown below is a helpful way to display your work. These boards can be purchased at most office supply and craft stores, and even some pharmacies. Amazon carries them, as well. Just search for “trifold display board or click on this link: [Amazon](#).

Here is an example of what it might look like:



- Bring along your notes to help you describe the work you did.
- Be prepared to explain your work to an interviewer, as well as other students and visitors.
- Don't forget to include your name(s) on your project.
- **If your project encourages participation, you or your parent must be present at all times.**
- All participants are responsible for taking home their own project and project supplies. Please also wipe up any spills that may occur during the evening in order to keep the gym clean and safe. Thank you.