

Pleasant Valley School Science Fair

Supported by the P.T.A.



Investigate Science Together
In this Engaging Non-competitive Extracurricular Event!
The Fair is open to all PVS students.

Plan an experiment, demonstration, collection and/or model of your own,
research your topic, make a hypothesis, experiment, record results,
reflect about your project, arrive at some conclusions, make a display,
and be proud to be a scientist!

IMPORTANT DATES:

- ✓ **Science Fair Registration** ends on **March 22nd**. All science fair proposal forms must be received by this date. **THERE WILL BE NO LATE ENTRIES.**
- ✓ **Science Project Approvals** sent to students via back-pack mail on **March 27th**. This is more of a formality assigning presentation times for students for the 3rd of April. As long as the project meets the standards below, it will be approved.
- ✓ There may be no open flames, hot plates or combustibles of any kind. Student scientist may not provide food, drink or beauty product (e.g. lip balm, perfume, etc.) samples. **All proposals that meet these requirements are approved.** The forms merely include the time of the scientist(s) presentations during the school day (see second bullet above).
- ✓ **Science Fair Set-Up** will occur from 2:30 – 5:45 PM on **April 2nd**.
- ✓ **Pleasant Valley School Science Fair** opens to the school community on **April 2nd** from 6:00 – 8:00 PM in the PVS Gymnasium.
- ✓ **Pleasant Valley School Science Fair** open for classroom visits throughout the school day on **April 3rd**.
- ✓ **Science Fair Break-Down** will occur from 1:45 – 4:30 PM on **April 3rd**.

Sciencebuddies.org is a great site for ideas!

Volunteers Needed for the 8th Annual Pleasant Valley School Science Fair

**Calling all scientists, engineers, physicians, teachers,
parents with a science background,
and/or interested non-scientists.**

Please check all that apply and include your availability:

- **Science Fair Set-up** (April 2nd from 2:30 – 5:45)
 - I am a scientist and would like to converse with student scientist during set-up. Time(s) Available _____
 - I would like to assist with the overall set-up of the gymnasium. Time(s) Available _____

- **Evening Science Fair** (April 2nd 5:45 – 8:15 PM)
 - I would like to assist with the supervision of the young scientists and our community guests. Time(s) Available _____

- **School Day Science Fair** (April 3rd 8:45 AM – 1:30 PM)
 - I would like to assist with the supervision of the young scientist and their peers. Time(s) available _____
 - I would like to present when my child presents to their peers.

- **Science Fair Break-down** (April 3rd from 1:30 – 4:30 PM)
 - I would like to assist with the break-down of the fair. Time(s) available _____

Please return to the PVS Main Office by March 22nd (or earlier).

Volunteers Name: _____

Student's Name: _____ Grade Level _____

Phone Number: _____ Homeroom _____

E-mail Address: _____

Science Fair Proposal Form

Pleasant Valley Elementary School

Student's Name: _____ Grade: _____

Homeroom Teacher: _____

Experiment Title: _____

Science Fair Topic: The BIG question! What do you want to find out? Describe your project.

Please include whether it will be a **physical, life, or earth** science project.

Science Fair Project Information (please check all that apply):

- Model:** Make and display a model. For example, make a model of an eye and identify and describe all of the parts and what they do or make a model of a simple machine and explain how it works.

- Demonstration:** Demonstrate a scientific concept such as how an electric current powers a light, how a camera works, or how an owl eats (Unravel an owl pellet showing the bones and fur of a mouse).

- Collection:** Show a collection of scientific samples such as the rock cycle (igneous, sedimentary, and metamorphic rocks), succulent plants (discuss how they retain water), or different feathers of a bird.

- Research:** Study your favorite scientist, researcher, or scientific concept and share your findings.

- Experiment:** Test an idea such as which plant will grow faster (vary light, water, soil), which bridge is stronger (design, build, and test), or which type of paint fades faster.

_____ I need an electrical outlet.

Parent Guardian Authorization (see back) :

Parent Name (printed): _____

Parent Signature: _____

Science Fair Websites

1. **California State Science Fair:** Read about this science fair which has been going on since 1952! You can learn how to enter, get help with your own experiment, or see a directory of past experiments. <http://www.usc.edu/CSSF/>
2. **Cyber Fair:** See sample fair experiments, look through other student's examples, and see the steps involved in judging experiments. <http://www.isd77.k12.mn.us/resources/cf/welcome.html>
3. **Experimental Science Experiments:** Outlines steps in preparing a experiment (complete with an ideas list), and suggests the best ways to prepare one at different grade levels. <http://www.isd77.k12.mn.us/resources/cf/SciProjIntro.html>
4. **Science Buddies:** Use the topic selection wizard to help you figure out what science experiments interest you most. Once you have a topic, get help doing research, setting up the experiments, and completing them. <http://www.sciencebuddies.org/>
5. **Science Fair Central:** Includes cool experiment ideas, a science fair handbook, reviews of students' experiments, and more from Discovery Channel School. <http://school.discovery.com/sciencefaircentral/>
6. **Science Fair Experiment Resource Guide:** Samples, ideas, magazines, resources, and more. Includes a list of sites that explain the Scientific Method. <http://www.ipl.org/div/kidspace/projectguide/>
7. **Scientific Method:** Describes the five steps of the Scientific Method that are helpful when creating a science fair experiment. Includes examples of wording and sample experiments to explain certain steps. <http://school.discoveryeducation.com/sciencefaircentral/Getting-Started/Investigation.html>
8. **Super Science Fair Experiments:** Guide to experiments, topics, experiments, and tips for successfully completing a science experiment, including the six steps of the Scientific Method. <http://www.super-science-fair-projects.com/>
9. **What Makes a Good Science Fair Experiment?:** Short guide written by a group of experienced judges for the California State Science Fair. http://www.usc.edu/CSSF/Resources/Good_Project.html