

2007 CEDAR MILL SCIENCE FAIR

Wednesday, April 18 6:00-8:00

All Cedar Mill students are invited to participate in the 9th annual Cedar Mill Science Fair, either individually or in groups. Just fill out the attached form and give it to your teacher by Friday, April 13th. Every student participant will receive a certificate and will automatically become eligible to be a future world renowned scientist!



Science Fair Activity Dates:

April 13th (Friday) Entry forms returned to teachers
April 17th (Tuesday) Set-up projects in the gym from 5:30pm to 7:30pm
April 18th (Wednesday) Science Fair 6:00pm to 8:00pm

Selecting a Project:

- Although all types of science projects are welcome, we are encouraging children to apply the **scientific method**. Don't worry...it's all explained below.
- Think about an area of science that interests you. Think of things you have learned about science in school this year or things that you have read about in newspapers, magazines, or books. Even television can be a source of inspiration.
- Read about your subject in the school or public library. Visit zoos, museums, or OMSI for more information about your subject.
- Search the Internet. There are many science fair ideas on the web. Try going to Google (www.google.com) and searching the words "science fair projects". You'll be amazed!
- Talk to one of the more than 100 students who have already participated in a science fair.

The Scientific Method:

- I. **Make some observations** about something you find interesting
- II. **Create your hypothesis** – a guess or prediction about what you think is happening.
- III. Use your hypothesis to **predict something that you can test** by doing an experiment.
- IV. Perform an **experiment to test your prediction**. Record your observations
- V. **Prepare the results**, possibly in the form of graphs or tables, and explain the results. Was your hypothesis correct? If not, why do you think it was wrong?

Examples:

- Which types of bread mold the fastest?
- What materials float best, and why?
- Do plants grow better in the sun or dark?
- What candy will dissolve fastest in water?
- Do eggs float better in salt or fresh water?
- What brand of battery will last the longest?
- Which materials conduct electricity?
- Which types of flower will sprout the fastest?
- Can people taste the difference between brands of soda pop?
- Does bread always fall butter side down?
- Which type of feeder will attract the most hummingbirds?
- How does gravity affect plant growth?
- How does the length of a string affect the sound it makes?

Other Types of Science Fair Project Ideas:

Observations: Notice and carefully record facts or events. Explain what you have learned.
Presentations: Show facts and information about a science topic that interests you.
Working models: Build your own model that shows how a technology or part of nature works.
Collections: Collect and classify items according to similarities. Research and label the items.

Please contact Bill DeLeeuw at (503)641-4505 or suedeleeuw@comcast.net if you have questions

2007 CEDAR MILL SCIENCE FAIR ENTRY FORM

Exhibit setup on April 17th, science fair on Wednesday, April 18th
Please return this form to your teacher by Friday, April 13th

Student Name: _____ Group Project: YES NO

Telephone: _____ Grade: ___ Teacher: _____

For group projects: Each student in the group must submit their own entry form to ensure that they receive a certificate award. **please make sure each group entry has the same title.**

Project Title: _____

Please ask your parent or guardian to fill out this part:

Student's Name: _____

Parent/Guardian Name: _____

Parent/Guardian Email Address: _____

Sign below to signify that you have read the science fair rules:

Please Volunteer! We need your help to make the science fair fun, safe, and a great learning experience for the kids.

- | | |
|--|---|
| <input type="checkbox"/> Prepare gym | Tuesday, April 17 th , 4:00-6:00pm |
| <input type="checkbox"/> Supervise student tours | Wednesday, April 18 th , during school |
| <input type="checkbox"/> Supervise cafeteria events tables | Wednesday, April 18 th , 6:00-8:00pm |
| <input type="checkbox"/> Project reviewer | Wednesday, April 18 th , 5:30-8:00pm |
| <input type="checkbox"/> Security | Wednesday, April 18 th , 5:30-8:00pm |
| <input type="checkbox"/> Clean up | Wednesday, April 18 th , 7:30-9:00pm |
| <input type="checkbox"/> Help where needed | |

Volunteer Name & phone #: _____

Rules:

Every child MUST be accompanied by a parent or guardian on set-up night and at the fair.

Science Fair Projects MUST:

- ✓ Have a title
- ✓ Include each person's name from your group on the display
- ✓ Fit on a 3'x3' table area (except for whole-class projects!)

Science Fair Projects MUST NOT:

- ✗ Be a kit purchased from a store
- ✗ Involve expensive or non-replaceable property
- ✗ Involve live animals
- ✗ Involve hazardous materials, such as chemicals, matches or flames, dry ice, etc.
- ✗ Involve a laser pointer or lasers of any type.
- ✗ Require an electrical outlet

Science Fair Project SHOULD:

- ✓ Show a kind of science, math, or technology
- ✓ Be the student's own ideas and work
- ✓ Be Creative, neat, and careful work
- ✓ Show understanding of a science concept

