



Cynthia Heights 2010 Science Fair

January 28-29, 2010

Grades 2-5 Science Fair

Thank you for being interested in the Cynthia Heights PTA Science Fair. This handout will guide you through the requirements and includes some ideas for each participant to have a successful experience. More information and website links to sites with many ideas are available through the EVSC Science Fair website which is listed at the bottom of this page.

EVENTS

Thursday, January 28, 2010	3:00-5:00 p.m.	Registration and Project Set-up in the gym
	5:00-8:00 p.m.	Project Judging by Reitz High School Advanced Science Students and USI Science Education Majors
Friday, January 29, 2010	Science Fair Awards Assembly and Science Demonstration by Dr. Jeff Seyler, USI Chair of Chemistry	
	1:15-2:00 p.m. during the day after the assembly	Science Awards Presentation Classes will rotate through for viewing. Dismount displays to be taken home.

Students will need to purchase their own science fair display board, not poster board. The board size should be approximately 36" high and 48" wide. An example of a display board is shown on the reverse side. Science fair boards can be purchased at Wal-Mart, Target, Office Depot or most office supply stores.

REQUIREMENTS

- Question:** Ask how, what, or why that leads to something interesting to study.
Title: Short statement of what the investigation is about.
Hypothesis: A question which has been reworded into a form that can be tested by an experiment.
Materials: What is needed to test your hypothesis?
Procedures: A planned set of steps to test your hypothesis.
Data and Collect information from the experiment in an organized format.
Results: What does the data determine?
Conclusion: Answering the original question from the hypothesis.

All students will receive ribbons. 1st, 2nd, and 3rd place trophies will be awarded at each grade level.

Contact Information

Dr. Vic Chamness

W 435-8481

vic.chamness@evsc.k12.in.us

<http://www.evscschools.com/science>

DISPLAY BOARD EXAMPLE

<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">PROCEDURES</div> <p>(What you did.)</p> <p>Include Pictures and/or Drawings</p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">PROJECT TITLE</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">QUESTION</div> <p>(What you want to find out.)</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">HYPOTHESIS</div> <p>(What you think will happen.)</p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">DATA AND RESULTS</div> <p>(What did happen.)</p> <p>Include Charts and/or Tables</p> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">CONCLUSION</div> <p>(What you learned.)</p>
---	--	---

Materials and research information should be placed in front of the display.

Tips for Students:

1. Research information about what you want to investigate. Learn as much about your subject as you can. This will help you to set up your project.
2. Use a notebook to record everything you do. Use your notes to organize your project as you proceed.
3. Make a list and collect necessary materials to perform your experiment.
4. Take pictures of your experiment as you go. If not pictures, then do drawings. Pictures should be of the project and not include any pictures that can identify you as the participant.
5. Perform the experiment more than once, several times if possible, and record the data each time.
6. What did you learn or find out by doing this experiment? What is your conclusion? It should answer your initial question. Analyze all of your data.
7. See if your original hypothesis was correct. Don't worry if your hypothesis is wrong! Your experiment is a success if you followed the scientific method.
8. Display anything you used during your experiment. Such as ingredients, objects or a finished product. All ingredients **must** be in sealed plastic containers.
9. Use your imagination in your display! Use color, designs, photos, drawings, humor. Be creative.
10. Have fun!

Tips for Parents:

1. Selecting a project – Help your child choose a project that will not be too difficult or time consuming to complete. Children often try to tackle projects that are too complicated for them to handle effectively. A simple project often makes the best project.
2. Scheduling time – Help your child to set up and follow a time schedule.
3. Determining a hypothesis – Help your child focus on creating a clear and concise hypothesis. The hypothesis will tell them what they think will happen when the experiment is completed.
4. Doing the project – While you must not do the project for the child, it is expected for parents to assist their children in selecting a topic and helping to identify relationships to science.
5. Setting up the display – Displays will look better if your child uses pictures and/or drawings and if they lay out the exhibit before attaching the materials. Pictures should be of the project and should **not** include any pictures that can specifically identify the student.