



# Cynthia Heights 2010 Science Fair

January 28-29, 2010

## Grades 2-5 Young Inventors

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. We offer this category in order to let more students participate in a fun science activity. Our goal is to increase participation for all students and help them learn about something scientific in a fun way.

Young Inventors encourages students to combine their creativity and imagination with science, technology, and mechanical ability to invent and build a tool or modify an existing tool. The goals of this program are to teach students to understand the scientific principles of how tools work, to introduce students to working with hand tools, to encourage students to think creatively about the world around them, and to allow students to develop practical solutions to everyday problems.

### EVENTS

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

All students will receive ribbons. Medallion awards will be given for the following:

Most Creative

Most Original

Best Display

Best Function

### Contact Information

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

## REQUIREMENTS

Students should answer the following questions on 2-4 pages and include at least 2 pictures.

What is the function of your invention?

How does your invention work?

How did you come up with the idea for your invention?

What were the sequential steps you took to build your invention?

### DISPLAY BOARD EXAMPLE

<div style="border: 1px dashed black; padding: 5px; margin-bottom: 10px;">What is the function of your invention?</div> <div style="border: 1px dashed black; padding: 5px;">How does your invention work?</div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 20px;"><b>PROJECT TITLE</b> (optional)</div> <p>Pictures and/or drawings</p>	<div style="border: 1px dashed black; padding: 5px; margin-bottom: 10px;">How did you come up with the idea for your invention?</div> <div style="border: 1px dashed black; padding: 5px;">What were the sequential steps you took to build your invention?</div>
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Materials can be placed in front of the display.  
The dashed line rectangles represent a sheet of paper.

#### 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. 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.
4. Help for the project - This is the area where parents often forget that the science fair project is to be done by the children. Advise your child but don't do it for them. Help mostly by encouraging and overcoming stumbling blocks that your child may experience.
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.
6. Be inventive and have fun!