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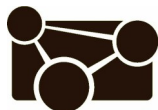
# Arrowhead Elementary PTA Science Fair

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Student Projects

Scientific Scavenger Hunt

Hands-On Exhibits



Friday, March 23rd, 2012  
6:30 pm to 8:00 pm



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## Science Fair Projects:

The most common statement we hear is “I don’t know what to do for my science fair project.” A science project is easier than you think and there are many resources available to help you get started. Read on for helpful tips and ideas.

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### First let’s start with Project Types. You could...

Display a **COLLECTION**: Shells, leaves, rocks and bird’s eggs are all good examples of types of collections. Research and classify your collection and label all of the parts.

Build a **MODEL** or an **APPARATUS**: Building a model or an apparatus will teach you a lot about how something works. Create a model of the solar system to learn each planet’s position in relation to the sun or make your own telescope to learn about magnification.

Do a **DEMONSTRATION**: Demonstrations can help explain a scientific concept. Learn which materials are attracted to magnets and create a display to show your results.

Do an **EXPERIMENT**: Use the scientific method to answer a question you have about a scientific concept. Study the effect of fertilizers on plants by using organic and synthetic fertilizers and no fertilizer at all.

Do a **RESEARCH** project: Many questions can be answered through research. Research an interesting animal or a topic of scientific interest like black holes.

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**Free Display Boards!** The Arrowhead PTA will provide a white standard-size science fair display board, or you can provide your own display board.

**Are you interested in doing an experiment? Use the scientific method to help you through the process.**

### Question:

Ask a question which can be answered by observation, experimentation or research.

### Hypothesis:

Predict what the outcome will be based on your experiences and/or information from available resources.

### Materials:

Identify materials, equipment and resources that will be needed for your project.

### Procedure:

Establish a step-by-step sequence of what is to be done; be specific and label your steps (1, 2, 3, etc.).

### Results:

Organize and display a complete record of your observations and results. Use graphs, charts or pictures to present your data and findings.

### Conclusion:

Using the data from your results, answer the question that you originally asked. Note any additional comments, explanations or why the results did or did not match your hypothesis.

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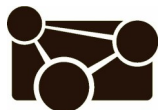
# 2012 Science Fair Project Registration Form

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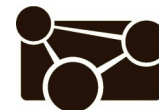
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## Non-Judged Science Fair—Fun in the Name of Science!!

Student Name(s)/  
Teacher(s): \_\_\_\_\_

Student Name(s)/  
Teacher(s): \_\_\_\_\_

Student Name(s)/  
Teacher(s): \_\_\_\_\_

Student Name(s)/  
Teacher(s): \_\_\_\_\_

Names of Additional Family Members/Neighbor Participants.

\_\_\_\_\_  
\_\_\_\_\_

Project Title: \_\_\_\_\_

Brief Project Description: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Yes, I(we) would like a display board.

No thanks, I'll provide my own.

## Project Rules

- All registration forms are due by March 16, 2012. Register early for opportunities to win weekly sign-up drawing for one of 6 very neat prizes!
- ANYONE may participate! This could be individual student entries or entries with groups of students. You could do a science project as a family. You could do a project with a neighbor. Your choice!!
- Projects **must** be turned in and set up by the entry participants on Friday, March 23rd between 3:30 and 6:00 pm.
- Projects must be taken home on March 23rd at the end of the fair.
- **Project display must fit a table space of 3 ft. wide by 2 ½ ft. deep. All displays must be free standing.**
- Live animals, open flame and valuable equipment may not be part of your display, but may be shown using pictures.
- If any experiment will contain moving liquids (i.e. volcanoes), the project must be on a spill-proof tray. Be sure to bring the appropriate cleaning supplies.
- All participants will receive a custom participation ribbon and customized tent cards with project title and participant names to be placed in front of project.
- Questions? Contact Angela Cummings at [acummings@caci.com](mailto:acummings@caci.com) or Jeanne Leasure at [jeanne.leasure@gmail.com](mailto:jeanne.leasure@gmail.com).

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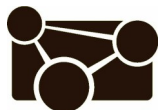
# 2012 Science Fair Family Demonstration Station

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6:30 pm to 8:00 pm



Have your family run a hands-on demonstration station this year. We are providing a budget of \$50 dollars for up to 4 interested families to run a hands-on demonstration station to teach kids about a science concept. This is a great way for you to re-enforce the science knowledge of your own family members as they take turns helping their fellow classmates with hands-on activities.

The station idea could be very simple. For example, have a station that teaches fair participants about the concept of rainbows. With flashlights (sun) and different shaped prisms (raindrops), kids could produce rainbows against a project board. For help with more ideas, contact Angela Cummings at [acummings@caci.com](mailto:acummings@caci.com) or Jeanne Leasure at [jeanne.leasure@gmail.com](mailto:jeanne.leasure@gmail.com).

- Your family will be given an area of 1 table wide
- You should plan to have at least one adult available at your station at all times (feel free to create shifts for your family)
- Keep the activity simple and 'elementary.'
- Provide visual aid to help explain the science concept.

Registration deadline for Family Demonstration Station entries is earlier than the individual project deadline.  
Registration must be submitted by Friday, March 2, 2012.  
This will help the science fair coordinators for purposes of planning.

Possible Science Name for Family (e.g. Cosmic Cummings)

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Names of Family Members participating

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Station Title: \_\_\_\_\_

Brief Station Description: \_\_\_\_\_

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Yes, we would like a display board.