

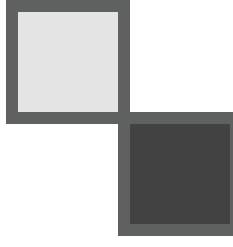

# Science Fair Parent Meeting



Erinann Childress and Beth Garr

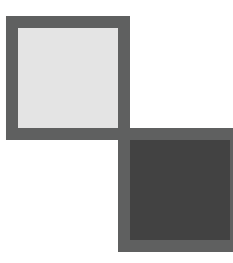



# Vision Statement

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- Science Fair
    - Noncompetitive event
    - Teach students at an early age the true nature of science: how fun it is to ask questions and answer them yourself!
    - Every student will have a chance to present their project to a real life scientist
    - A ribbon and certificate will be awarded to each child at the end of the event.
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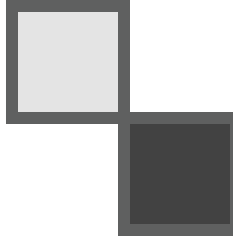



# Evening Schedule

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- After School Thursday Mar 4
  - Set-up starts at 4PM
  - Judging "Sessions"- start at 5pm
    - Students stand by project during assigned session
    - Free to roam and visit other projects other times
  - Pizza and beverages for sale
  - Visit Science Stations
  - Lasts until all projects are judged
    - Judging Ends About 7PM
  - Science Center Show at end
  - Tear-down
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# Project Types

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- Descriptive
  - Build it
  - Hypothesis
    - Pose a question
    - “Myth Busters”
- 




# Examples of **DESCRIPTIVE** projects

- Display of a self-made volcano.
  - Arranging and showing your own crystal gem collection
  - Display on various dolphin habitats
  - Describing and demonstrating how to build a programmable robot
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# Examples of HYPOTHESIS BASED projects

- Do all liquids freeze?
  - What makes popcorn pop?
  - Which onions make you cry?
  - Does longer wingspan mean longer flight for a paper airplane?
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# Hypothetical Project

Question - Which type of onions make you cry?

Hypothesis (Educated Guess) - All onions make you cry.

Experimental Design (Materials and Methods)

List of types of onions Decide how you will test people's response to the onions.

Experiment- What did you do?

Chopped onions next to Mom. Watched to see if she would cry.

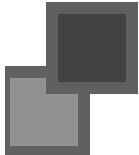
Results- What did you find out?

Onion A made Mommy cry. Onion B did not make Mommy cry.

Conclusions- What did the results mean?

Not all onions made Mommy cry.


Future Work- What other questions do you want to ask?

- What happens when I test these onions on other people, like Dad?
  - If I test this on many people, can I divide them into criers and non-criers?
  - What if I use a blender chopper rather than a knife?
  - Does it make a difference if I use a wooden cutting board versus a plastic one?
  - What was in onion A that was not in onion B, that made Mommy cry?
- 



# All Projects



- Child needs to be able to present
  - Presentation board or poster
  - Method of testing or research
    - May include list of materials, references
  - Results – with conclusion (answer the question)
  - Further Work – did it make them curious?
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# Project Ideas

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- List of web sites
  - <http://www.all-science-fair-projects.com/>
  - <http://www.scienceproject.com>
  - <http://www.super-science-fair-projects.com>
  - <http://www.sciencemadesimple.com>
  - <http://www.sciencepage.org>
  - <http://www.sciencefaircenter.com>
  - [www.science-ideas.com](http://www.science-ideas.com)
  - [www.all-science-fair-projects.com](http://www.all-science-fair-projects.com)
  - [www.ipl.org/div/projectguide](http://www.ipl.org/div/projectguide)
  - [www.school.discovery.com/sciencefaircentral](http://www.school.discovery.com/sciencefaircentral)

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- Books
  - Sciencebuddies.org – Wizard for Ideas
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