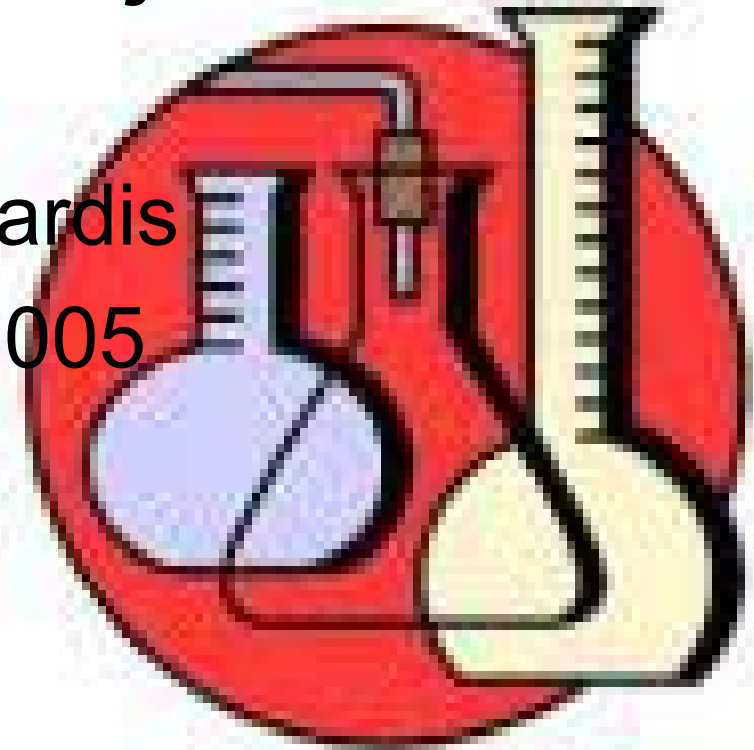


Science Fair Projects



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Project Ideas

- Everyday materials:
- Make a paper airplane.

Hypothesis

- Which airplane would fly better (yours or mine)?

Testing

- Volunteers?

Research

- Why did my airplane fly farther?
 - Need to locate materials about aerodynamics

Create a Project

- What would further improve the flying?
 - Larger/smaller hoops
 - trading the hoops (larger in front, smaller in back)
 - more straws (longer body)
 - shorter straws (shorter body)?
- This is the testing phase.

Presenting the Results

- Decide what you're going to measure
 - How far will it fly?
 - How fast will it fly?
 - How straight will it fly?
- Consider a graph or chart instead of just words to present your results.
- You need more than one experiment! If you choose hoops, need to measure hoops of lots of different sizes and see how far each will fly.

Ideas

- http://www.exploratorium.edu/science_explorer/index.html
- These are NOT science experiments, they are demonstrations. You have to think of a question and turn them into an experiment.

More Ideas

- <http://www.nwmissouri.edu/library/courses/EDUCATION2/SCIENCEFAIR.HTM>
- Color
 - <http://www.colormatters.com/khouw.html>
- Insects
 - <http://www.si.edu/resource/faq/nmnh/buginfo/scifair.htm>
- Popcorn
 - http://www.popweaver.com/popcorn101/science/science_list.html

More Ideas...

- Earthquakes
 - <http://quake.wr.usgs.gov/info/scifair/>
- General, by level
 - <http://www.cdli.ca/sciencefairs/>

Pick an Area that Interests You!

- What do you like to do?
- Make sure that you have a **question**.
- Building something or showing something isn't an experiment—you need to be asking and answering a question.