On your own or with a partner you will perform a SHORT experiment (NO LONGER THAN 15 MINUTES EACH!) for the class starting Tuesday, May 28th. If you choose to do this with a partner be aware that each of you are being graded individually. You are responsible for your own paperwork, learning and must show your did a fair share of work. Each of you must take part in presenting the experiment to the class. Your goal will be to prove that you understand and can show the following:

1. SHOW you know and understand the six steps of the design process we have discussed in class. Your experiment should show us each step of the design process.
2. You should be able to describe one or two variables in your experiment.
3. Show how your ideas or opinions changed or were confirmed as a result of your experiment.
4. Be able to provide visual evidence of your learning, (Use a chart, pictures, show a graph, draw pictures, ect.)
5. Keep records of your experiments that are accurate and understandable.
6. Use appropriate instruments to do your experiment.
7. Use your experiment to learn and to teach the class a scientific lesson.
8. Develop, design and safely conduct scientific investigations and communicate the results.

How will you do this?

You will find experiments in the books provided in class or by experiments you find on the Internet. You are responsible for gathering the material, so try to keep it simple, remember there is more to this than just a cool experiment, you have to show your learning and teach your classmates and your teacher in the process!

You should try to do your experiments at home over the weekend and have your materials ready no later than next Friday, May 24th. We will establish an order in class and I will create a list when we get this decided.

PARENTS

We are doing these experiments in class in order for your student to show that they understand the scientific inquiry process. Having the students teach the class an experiment is one of the best ways for each student to take ownership in his or her learning. I do not want you to think you need to go out and buy impossible to get scientific instruments. Most of the books provided in class are for simple experiments and only require materials you may already have around the house. The students are not being graded on the challenge of the experiment or the equipment that they have, they are being evaluated on their understanding of the methods and ways of scientific learning. If you cannot locate or find certain materials, let me know and I will do my best to help out. I will send home a list of the order in which the students will go by Friday, so you know and can send the appropriate materials along with your student on the proper day. If you have any further questions please do not hesitate to call or email me.