**6th Grade Science Fair**

This year you may pick from the following 5 areas to do your experiment (for examples please see packet):

***WEBSITES:***

**\* great sources for project ideas**

**--sciencebob.com**

**--sciencebuddies.org**

**school.discovery.com/sciencefaircentral/**

**--sciencefairadventure.com**

* Behavioral/ Social/ Health Science
* Physical Science
* Biological Science
* Earth Science
* Environmental/ Ecology Science

**Deadlines:**

1.Choose and submit for approval, a topic question/problem to investigate ­­­­­­9-28

2. Do preliminary research. Read books and browse the internet for your

topic. Keep track of your sources. 9-29

3. Form a hypothesis (your best guess) based on your preliminary research. 10-2

4. Decide on the procedure that you will use to test your hypothesis. 10-6

5. Make a list of your materials. Gather your materials. 10-6

6. Perform your experiment. Compile your observations. Record data. 10-15

7. Analyze your data and results. 10-16

8. Draw conclusions based on your results. Write a “real world” application

of what you learned. 10-19

9. Write a draft of your science fair report and bibliography of 3

sources. 10-19

10. Proofread your draft or have someone else proofread it. Type

 a final copy. 10-20

11. Assemble your science fair display board and display items. 10-22

12. Turn in your science fair project. (display board and display

items) 10-23

**SCIENTIFIC METHOD**

1. Define the Problem
2. Form a Hypothesis
3. Perform Experiment

 \*Rule of thumb: 3 or more trials or when working with human subjects, 10 people or more

1. Make observations

 \*Use graphs, charts or tables to record your data

1. Analyze data
2. Draw conclusions

\*Make a real life connection to what you discovered.

1. Communicate results

\*\*Safety first…think before you start.

\*\*Remember: a science project for this fair is NOT a collection or model



 *This is an example of what your board may look like. Be creative.*

*Use design techniques of color, shape and dimension to add to the visual appeal of the display. Presentation matters!*

**Listing of Resources**

**Conclusion**

**Name**

**Grade/homeroom**

**Category**

**Listing of Variables**

**Hypothesis**

**Problem**

**Observations and Data**

***Graphs, charts, tables, photos***

 **Materials and Procedure**

**TITLE**

PROJECT DISPLAY BOARD