



EXPERIMENT PLAN FORM

DUE FEB. 26 TO MRS. CHILDRESS

Exhibit Title: _____

Question: (What do you want to know?)

Research: (Where will you find information about your topic? i.e., library, online, expert)

Hypothesis: (State your educated guess of what will happen.)

Experiment Plan: (How will you test your hypothesis? *Note: examples on attached page*)

*Independent Variable: (What is the one factor that is changed?)

*Dependent Variable: (What is the factor that is observed or measured as a result of the changes?)

*Controlled Variable(s): (What are the factors that stay the same?)

(continued on the back)

Experiment Plan (continued): (How will you test your hypothesis?)

*Steps you will take:

1. _____
2. _____
3. _____
4. _____
5. _____

Collect & Record Data: (List the ways you will analyze data: charts, graphs, journal)

Draw Conclusions: (This cannot be done until you actually perform your experiment. Be sure to include a statement on your display explaining whether or not your hypothesis was correct.)

Key Vocabulary (List words students will learn from listening to your presentation.)

_____	_____
_____	_____
_____	_____

Write two or more sentences explaining how your experiment is related to physical, earth, and/or life science.

*****TO BE COMPLETED AFTER MARCH 26. DUE BY MARCH 30.*****

REFLECTION

Write a paragraph describing your experience with this STEM Fair project.

- *Explain what you learned from doing the research & planning.
- *Describe your interaction with visitors at your exhibit.
- *What did you enjoy most from this experience and why.
