Name _____ Date _____

SCIENCE PROJECT PLANNING FORM – **Keep in Notebook**

Topic

Do Research to collect background information.
Write a brief summary of the background information.

Bibliography for Resources

_____
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Problem Statement: (It is written in the form of a question.)

_____
_____
_____
_____
_____

Form a Hypothesis (An educated guess of what you think will happen.)

_____
_____
_____
_____
_____
_____

Experiment Design:

Variables:

Independent/ Manipulated Variable (What do I change?)

_____
_____
_____
_____

Dependent/ Responding Variable (What data do I collect?)

Control /Constant Variables (What do I keep the same in the experiment?)

Materials (Use metric measurement tools and list in column form.)

Procedures (Use a step by step numbered list. Each step should also begin with a verb.)

Data: Create a data table to collect and record data observed and measured during the experiment.

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Now you're ready to conduct the Experiment. Remember to take pictures and to repeat the experiment at least three times.
Make a graph to display the data collected and recorded on data table.

Results: (Record collected data from the experiment in a narrative summary form.)

Conclusion: Answer the following questions to complete the Conclusion:

1. **What was investigated?** (State the purpose of the experiment by describing the problem statement.)
2. **Was your hypothesis supported by the data?** (Write a statement as to whether the data supports or does not support the hypothesis including a restatement of the hypothesis.)
3. **What were the major findings?** (Describe the data collected that provides the evidence as to why the hypothesis was supported or not supported.)
4. **What possible explanations can you offer for your findings?** (Think about everything that may have affected your results.)

Application/Extension: Answer the following questions to complete the Application:

1. **How can the investigation be improved?**
2. **What are some possible applications of the experiment?** (Describe how the findings from this investigation can be used in day-to-day life.)
3. **What questions has your experiment lead you to ask that could be tested in a new investigation.**

Abstract

Write three or more paragraphs. Include what was being investigated and the hypothesis. Write about the procedures followed in the investigation. Include information on the data and conclusions reached. Last write about your project's applications.

Edit and add your bibliography from the first page.