Experimental Investigation Planning and Approval Form

Project Title: _______________________________________________________________
__________________________________________________________________________

1. Write a hypothesis (Variables and Hypothesis Worksheet):

   What I will do: (If…) ________________________________________________________
__________________________________________________________________________

   What I think will happen: (then…) ___________________________________________
__________________________________________________________________________

   What I will change (independent variable): ____________________________________
   What I will keep the same (controlled variables): _______________________________
__________________________________________________________________________

   What I will measure (dependent variable(s): ___________________________________
2. Materials and Experimental Procedure worksheet:

Record your experimental procedure below, using extra paper if necessary. Be very specific about the materials and the actions you use. Include the amounts, brands, and sizes. Make sure if you listed it as a material that you account for it during your procedures. Every step needs to be mentioned.

Steps in my procedure: ________________________________

________________________________________________________________________

________________________________________________________________________

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3. Materials: Be as specific as possible when creating your list of materials. Include amounts of each material needed as well as types, brands, and sizes. (For example, do not just write “water”, write “50mL of water” and “Dawn lemon dishwashing liquid” not “dishwashing liquid”). Include everything you will be using throughout the duration of the experiment.

4. Validation and Research Plan:
   □ My project is safe
   □ I can get the materials
   □ I have enough time to build, test, and report the project
   □ My project will not harm organisms
   □ My project will not harm or bother other people

How will you know if the change you made had an effect?
(What data will you collect and what will you look for?)

______________________________________________________________________________
______________________________________________________________________________

5. Final Approval to Begin Project:

Project Approved: _____________________________________________________________
                                                      (Student Signature)            (Date)

Project Approved: _____________________________________________________________
                                                      (Parent Signature)             (Date)

Notes from teacher/approver(s):