



# Science Fair Central

## Experimental Investigation

### Planning and Approval Sheet

Project Title: \_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

#### 1. Identify a testable question:

Problem: \_\_\_\_\_ Approved

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### 2. Research the topic:

What have people learned about \_\_\_\_\_ Approved

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Be sure to record where you got your information.

My sources: \_\_\_\_\_ Approved

\_\_\_\_\_  
\_\_\_\_\_



Name \_\_\_\_\_

3. Write a hypothesis:

\_\_\_\_\_ Approved

What I think will happen is: \_\_\_\_\_

This is why I think so:

\_\_\_\_\_ Approved

4. Design a Procedure:

What I will change (independent variable): \_\_\_\_\_

What will stay the same (controlled variables): \_\_\_\_\_

What I will measure (dependent variable(s)): \_\_\_\_\_

Steps in my procedure: \_\_\_\_\_

Materials: \_\_\_\_\_

\_\_\_\_\_ Approved



**Discovery**  
EDUCATION

Name \_\_\_\_\_

**5. Validation:**

- 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?)

\_\_\_\_\_ Approved

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**Timeline: Science Fair Date:** \_\_\_\_\_ Approved

**Length of time to write report and make presentation board:** \_\_\_\_\_

**Date by which all data must be collected:** \_\_\_\_\_

**Final Approval to Begin Project:**

**Project Approved:** \_\_\_\_\_  
(Signature) (Date)

**Notes from approver:**

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# Science Fair Central

## *Project Display Checklist*

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- Project title
- Student's name

### Required categories:

- Problem (or Question)
- Background research (with citations)
- Hypothesis
- Procedure (or Experiment or Investigation) – use a step-by-step format
- Materials (own category or subcategory of Procedure)
- Data (charts, graphs, tables)
- Results
- Conclusion
- \_\_\_\_\_
- \_\_\_\_\_

### More categories (sometimes required):

- Abstract
- Acknowledgements
- Bibliography
- "Next Time"

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### Graphic elements:

- Photographs
- Illustrations
- Chart
- Graph
- Table

### Additional items for display table:

- Tablecloth
- Model(s)
- Photo album
- Journal
- Report (if required)

### Miscellaneous:

- Camera
- Emergency supply kit
- Water bottle
- Science dictionary or encyclopedia



# Science Fair Central

## *Student's Final Check*

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### Did you remember to...

- Include every required category (Hypothesis, Procedure, Materials, etc.)?
  - Label every chart, graph and illustration?
  - Provide a caption for every photograph?
  - Proofread every word on your display board? Twice??
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### Ask yourself...

Is the type large enough to read from afar? Stand 3 feet away to check.

Are lines straight? Are text blocks and graphics properly aligned? (You can re-do a section by covering mistakes with matching colored paper and pasting new text and graphics over that. This time use a ruler!)

Does the display look overly crowded with information? If so, consider removing some less important items and displaying them creatively on the table instead.

Are there any empty spaces on the board? If your layout looks uneven, consider adding some items to balance it out.

Did you follow all rules and guidelines pertaining to your particular fair?

If you require electricity, have you checked to make sure any plugs or wiring are up to safety codes?

Have you packed a "repair kit" of supplies for any last-minute touch-ups at the fair?

