

# Science Project Planning Worksheet

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

Class/Period: \_\_\_\_\_

Teacher: \_\_\_\_\_

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

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## PART 1: INTRODUCTION & DESCRIPTION

1. **My project is about:**

\_\_\_\_\_

\_\_\_\_\_

2. **My project is important because:**

(Why should people care? How does this connect to real life?)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. **Description:**

(a short description of how you will do your experiment)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# PART 2: QUESTION & HYPOTHESIS

4. **My Science Question is:**

(This must be something that can be tested.)

Example: How does \_\_\_\_ affect \_\_\_\_?

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5. **My Hypothesis:**

(What do you think will happen and why? Form your hypothesis from ONE question)

I think that if \_\_\_\_\_

then \_\_\_\_\_

because \_\_\_\_\_

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# PART 3: VARIABLES

**What is a variable?**

A variable is **anything that can change** in an experiment. Scientists change one thing, measure what happens, and keep the rest the same to make the test fair and measurable.

6. **Independent Variable (What I change):**

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7. **Dependent Variable (What I measure or observe):**

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8. **Constants (What stays the same):**

List at least 3 things that will stay the same during the experiment.

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PART 4: MATERIALS

9. **Materials List:**  
(List everything you will need to do your experiment.)

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PART 5: PROCEDURE (Steps)

10. **How I will test my hypothesis:**  
(Number each step in order.)

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# PART 6: DATA COLLECTION

11. What data will I collect?

(Measurements, numbers, observations, drawings, or charts)

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12. How will I record my data?

☐ Table ☐ Chart ☐ Graph ☐ Drawings ☐ Written observations

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# PART 7: RESULTS & CONCLUSION (After the Experiment)

13. **Results:**

(What happened? Summarize the data you collected.)

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14. **Conclusion/Discussion:**

- **Was my hypothesis supported?** ☐ Yes ☐ No
- **What did I learn?**

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15. **What would I change or improve next time?**

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## PART 8: PROJECT NOTEBOOK CHECKLIST

- ☐ Title Page (Project title, name, class, date)
  - ☐ Table of Contents
  - ☐ Introduction & Description
  - ☐ Abstract (The abstract is a summary of your Method, Results, and Conclusion - 200 words or less).
  - ☐ Science Question
  - ☐ Hypothesis
  - ☐ Variables Listed (Independent, Dependent, Constants)
  - ☐ Materials List
  - ☐ Procedure / Steps
  - ☐ Data Tables, Charts, or Graphs
  - ☐ Observations and Notes (dated)
  - ☐ Results
  - ☐ Conclusion & Discussion
  - ☐ Pictures or Drawings (if required)
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## PART 9: PROJECT BOARD CHECKLIST

- ☐ Title
  - ☐ Introduction & Description
  - ☐ Question & Hypothesis
  - ☐ Abstract or shortened version of Abstract for display board
  - ☐ Variables
  - ☐ Materials
  - ☐ Procedure
  - ☐ Data (tables, graphs, photos)
  - ☐ Conclusion & Discussion
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**Student Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Teacher Approval:** \_\_\_\_\_