



WEEK 3:

Create Hypothesis & Plan Experiment



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Goal: Develop a clear, testable hypothesis and outline your procedure.

Tasks:

- ☐ Write your hypothesis using the following format:
I think [prediction] because [reason]. I will test this by [method/experiment].
- ☐ List all the materials and equipment needed for your experiment.
- ☐ Write a detailed, step-by-step procedure that anyone could follow.
- ☐ Use the *Experiment Planner* on the next page to organize this information

Additional Activities:

- Sketch a diagram of your experiment setup.
- Create a timeline for completing the experiment, noting how long each step will take.

Tip: Be as specific as possible to minimize confusion or errors during the experiment.

Experiment Planner

Project Title:

1. State Your Hypothesis

What do you think will happen? Write your hypothesis below.

I think _____

because _____

I will test this by _____

2. List Your Materials

What do you need for your experiment?

-
-
-
-
-
-
-
-
-
-

3. Define Your Variables

- Independent Variable (What you will change):

- Dependent Variable (What you will measure):

- Controlled Variables (What you will keep the same):

4. Write Your Procedure

What steps will you follow to do your experiment? Write them in order.

1

2

3

4

5

6

7

8

9

10

5. Predict the Outcome

What do you expect to find out?

6. Safety First

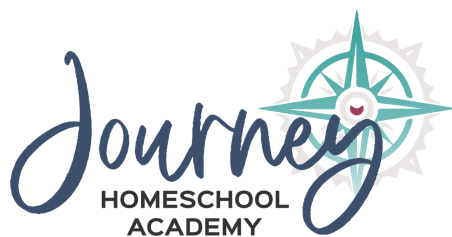
What safety precautions will you take during your experiment?

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