

# Science Homework

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

Week of: \_\_\_\_\_

Homeroom: \_\_\_\_\_

## Week 1: Observations

This week in science, you will start thinking about what you would like to create your experiment about. This is an experiment that you will work on for the next 9 weeks, so it is important that you make a good choice from the start.

We will start by making observations. Scientists are always observing the world around them and devising experiments to test ideas they come up with. Throughout the week, make some observations about the topic (see the other side of this paper for ideas). Draw some (detailed & labeled) pictures, write some of your thoughts, list some questions you have about the topic, and jot yourself some notes. Next week, you will spend time researching your topic.

Topic: \_\_\_\_\_

Drawings	My Thoughts
Questions I Have	Notes

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To help you narrow your focus for your observation, you may choose one of the areas below, or come up with your own (as long as it would fit under the main topic listed – make sure you choose from the correct grade level). There are many things you can observe, these are just a few ideas to get you started.

## 4<sup>th</sup> Grade Topics:

- Main Topic: **Physical Science**
  - Matter:
    - Solids
    - Liquids
    - Gases
    - Changes in state
    - Temperature
  - Energy
    - Circuits
    - Heat energy
    - Kinetic energy (movement)
  - Magnets

## 5<sup>th</sup> Grade Topics:

- Main Topic: **Physical Science**
  - Motion
  - Friction
  - Air Resistance
  - Magnetic Force
  - Electric Force
  - Gravity
  - Changes in Speed
  - Changes in Direction