Unit 2 Properties and Changes of Matter (2 Units)

Content Area: **Science**
Course(s): **Science 5**
Time Period: **November**
Length: **MP2 (about 8 weeks)**
Status: **Published**

Unit Summary

In this unit of study, students describe that matter is made of particles too small to be seen by developing a model. The crosscutting concept of scale, proportion, and quantity is called out as an organizing concept for these disciplinary core ideas. Students demonstrate grade-appropriate proficiency in developing and using models, planning and carrying out investigations, and use these practices to demonstrate understanding of the core ideas.

Standards

5-PS1-3	Make observations and measurements to identify materials based on their properties.
5-PS1-1	Develop a model to describe that matter is made of particles too small to be seen.

Student Learning Objectives

Students will learn to:

- make observations and measurements to identify materials based on their properties.
- develop a model to describe that matter is made of particles too small to be seen.

Essential Questions

- How do we learn about objects that are too small to be seen?
- How does matter behave?
- How can we classify matter?

Enduring Understandings

Students will understand that:

- people use all of their senses to detect matter.
- matter can change state when external forces are applied.
- matter has different properties that can be observed and tested.

Application

Students will be able to independently use their learning to:

- develop a model to describe that matter is made of particles too small to be seen.
- make observations and measurements to identify materials based on their properties.

Skills

Students will be skilled at . . .

- measuring and describing physical quantities such as weight, time, temperature, and volume.
- identifying materials by measuring a variety of properties.