

# Unit 01: The Nature of Matter

Content Area: **Science**  
Course(s): **Chemistry Accelerated**  
Time Period: **Marking Period 1**  
Length: **3 weeks**  
Status: **Published**

## Textbook Resources

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Glencoe Science Chemistry Concepts and Applications

Chapter 1: Chemistry: The Science of Matter

## Standards

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PS1-1

SCI.9-12.HS-PS1-1

Use the periodic table as a model to predict the relative properties of elements based on the patterns of electrons in the outermost energy level of atoms.

## Goals/Objectives

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- How does the behavior of the parts account for the behavior of the whole?
- How does the nature of matter affect the world around you?

## Content

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- Physical v. Chemical properties
- Pure substances v. Mixtures
- The connection between the submicroscopic and the macroscopic world

## Skills

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- Classify matter as a element, compound, heterogeneous mixture, or a homogeneous mixture (solution)
- Contrast physical and chemical properties
- Make quantitative and qualitative observations
- Use scientific models

