

# Science Skills & Processes

## Goals & Objectives

**At the end of this unit, students will be able to:**

- List and describe the steps of the scientific method
- Design a proper scientific experiment
- Name the parts of a microscope
- Properly use a microscope
- Explain the difference between observations and inferences
- Understand what the metric system is and why we use it
- List and define some basic measurement terms
- Calculate length, volume, density, and mass
- Convert temperature between Fahrenheit, Celsius, and Kelvin units.
- Identify and describe various tools that are found in the laboratory
- Understand various safety rules for working in the science laboratory