

Dear Parents,

Welcome to kindergarten science! This year your student will be learning and discovering this wonderful world we live in and how we interact with our world. During the 1st nine weeks, we will focus on what a scientist is, safety, tools, learning about our senses, physical properties of matter, changing matter by heating and cooling, and forms of energy.

Student Expectations:

The student will practice safety procedures while using science tools and the senses. The student is expected to observe and record properties of objects, including bigger or smaller, heavier or lighter, shape, color, and texture. They will also be expected to observe, record, and discuss how materials can be changed by heating or cooling. We will also learn to use the senses to explore different forms of energy such as light, thermal, and sound.

Key Concepts:

- Objects can be described based on their properties (big/small, heavy/light, shape, color, and texture).
- Objects can be compared to one another based on their properties.
- We can record observations about objects, including descriptions of how big or small, how heavy or light, shape, color, and texture.
- Heating materials can cause them to melt or change in some other way.
- Cooling materials can cause them to freeze or change in some other way.
- We can record observations about how materials are changed by heating and cooling.
- We can feel thermal energy.
- We can see light energy.
- We can hear and feel sound energy.

Fundamental Questions:

- What properties can we use to describe objects?
- How can properties be used to compare objects?
- What information is important to record when making observations of objects?
- What is the effect of heating and cooling on various objects?
- What information is important to record when heating and cooling objects?
- How can we use our senses to explore thermal energy?
- How can we use our senses to explore light energy?
- How can we use our senses to explore sound energy?

If you have any questions, please contact your kindergarten team and happy investigating!

Kindergarten Team