

Dear Parents,

We are learning about Matter and Energy to start our school year in science. The following concepts will be covered and your child will be expected to do the following:

Student Expectations: The student is expected to classify objects by observable properties of the materials from which they are made such as larger and smaller, heavier and lighter, shape, color, and texture. The students will identify and discuss how different forms of energy such as light, heat, and sound are important to everyday life.

Key Concepts:

Objects can be described based on their properties.

Objects can be compared to one another based on their properties.

We can classify objects based on relative size (bigger or smaller, heavier or lighter), shape, color, and texture.

Different forms of energy give us the ability to do different things.

There are different forms of energy including light, thermal (heat), and sound.

Humans use light, thermal (heat), and sound energy in everyday life.

There are many common everyday objects that produce light, thermal, or sound energy. Light bulbs help us see, stove tops allow us to cook and heat objects, and televisions give off sound, light, and thermal energy.

Fundamental Questions:

What observable properties can we use to classify objects?

What tools can we use to measure objects?

What information is important to record when making observations of objects?

What happens to various materials when they are heated?

What happens to various material when they are cooled?

What predictions can we make about how materials are changed by heating and cooling?

What are some different forms of energy?

How do we use the different forms of energy in everyday life?

What are some common objects that produce energy and how do they help us?

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

The 1st Grade Science Team