Greetings, Family!

Our science class will learn about matter, electricity, and magnetism in our unit on Physical Science.

You can help make science come alive for your student by pointing out examples of matter undergoing change around your house. Water freezes into ice cubes and turns into water vapor, a gas, when boiled. Battery-operated devices change chemical energy to electrical energy. You can also point out to your student objects that use electricity, and those that are magnetic.

For this unit, we will be doing some hands-on activities about matter, magnetism, and electricity, using the materials listed below. Can you donate or loan any of these items? If so, we need to receive your items by _____.

- sugar cubes
- granulated sugar
- powdered sugar
- plastic spoons
- clear plastic cups
- masking tape
- saltine crackers
- small balloons
- metric tape measures
- plastic dishpans
- sand
- table salt
- string
- wool
- plastic wrap
- D-size batteries
- electrical tape
- flashlight bulbs
- insulated wire

Thank you very much for your help!

The Georgia Performance Content Standards covered by this unit are:

S5P1a Demonstrate that the mass of an object is equal to the sum of its parts by manipulating and measuring different objects made of various parts.

S5P1b Investigate how common items have parts that are too small to be seen without magnification.

S5P2a Investigate physical changes by separating mixtures and manipulating (cutting, tearing, folding) paper to demonstrate examples of physical change.

S5P2b Recognize that the changes in state of water (water vapor/steam, liquid, ice) are due to temperature differences and are examples of physical change.

S5P2c Investigate the properties of a substance before, during, and after a chemical reaction to find evidence of change.

S5P3a Investigate static electricity.

S5P3b Determine the necessary components for completing an electric circuit.

S5P3c Investigate common materials to determine if they are insulators or conductors of electricity.

S5P3d Compare a bar magnet to an electromagnet.