

Greetings, Family!

Our science class will recognize sources of heat and light, investigate how vibrations produce sound, and identify emergency sounds and sounds that help us keep safe in our next unit, "Physical Science." In addition, our science class will demonstrate effects of magnets on other magnets and other objects.

At home, you can help your child understand more about the properties of heat, light, sound, and magnets. With your child, locate heat, light, and sound sources in your home. Listen to a musical recording with your child. Help her or him describe the pitch and intensity of sounds in the recording. You can investigate magnetism with refrigerator magnets and common household objects.

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

- clean, empty jars
- sand
- plastic thermometers
- clean, empty cans
- masking tape
- rubber bands
- bar magnets with labeled poles
- paper clips
- string

Thank you very much for your help!



The Georgia Performance Content Standards covered by this unit are:

- S1P1a** Recognize sources of light.
- S1P1b** Explain how shadows are made.
- S1P1c** Investigate how vibrations produce sound.
- S1P1d** Differentiate between various sounds in terms of (pitch) high or low and (volume) loud or soft.
- S1P1e** Identify emergency sounds and sounds that help us stay safe.

- S1P2a** Demonstrate how magnets attract and repel.
- S1P2b** Identify common objects that are attracted to a magnet.
- S1P2c** Identify objects and materials (air, water, wood, paper, your hand, etc.) that do not block magnetic force.