

# SAAVAS Topic 3 School to Home Letter

Dear Family Member or Caregiver,

In the Topic “Energy”, students learn that energy is everywhere and can be observed in cycles, patterns, or systems. The experiences in this topic are:

- Experience 1: Energy Changes
- Experience 2: Electrical Energy and Circuits
- Experience 3: Light

First, in Experience 1, students investigate and describe energy transformations in systems. Then, in Experience 2, students explore electrical energy in the context of circuits and energy transformation. Finally, in Experience 3, students explore and explain how light travels.

The main content TEKS covered in this topic are:

- 5.8A: Investigate and describe the transformation of energy in systems such as energy in a flashlight battery that changes from chemical energy to electrical energy to light energy.
- 5.8B: Demonstrate that electrical energy in complete circuits can be transformed into motion, light, sound, or thermal energy and identify the requirements for a functioning electrical circuit.
- 5.8C: Demonstrate and explain how light travels in a straight line and can be reflected, refracted, or absorbed.

And the main SEPS and Recurring Themes and Concepts TEKS are:

- 5.1D: Use tools, including materials for building circuits, to observe, measure, test, and analyze information.
- 5.1E: Collect observations as evidence.
- 5.1G: Develop and use models to represent phenomena and objects.
- 5.5C: Use scale to compare different systems.
- 5.5D: Examine the parts of a system and their interdependence in the function of the system.

One of the best ways for students to check on their learning is to explain it to someone else. Ask your student about their class experiences, and ask them to explain the content that they are learning while at school in their own words or, if relevant, in their first language.