

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, and systems. The experiences in this topic are:

- Experience 1: Transfer of Energy
- Experience 2: Conductors and Insulators
- Experience 3: Electrical Energy and Circuits

First, in Experience 1, students investigate the transfer of energy by moving objects, waves in water, and sound. Next, in Experience 2, students identify conductors and insulators of heat and electrical energy. Finally, in Experience 3, students demonstrate and identify that electrical energy can produce light and thermal energy and travels in a closed path.

The main content TEKS covered in this topic are:

- 4.8A: Investigate and identify the transfer of energy by objects in motion, waves in water, and sound.
- 4.8B: Identify conductors and insulators of thermal and electrical energy.
- 4.8C: Demonstrate and describe how electrical energy travels in a closed path that can produce light and thermal energy.

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

- 4.1D: Use tools (including metric rulers) to observe, measure, test, and analyze information.
- 4.1E: Collect observations and measurements as evidence.
- 4.5A: Identify and use patterns to explain scientific phenomena or to design solutions.
- 4.5B: Identify and investigate cause-and-effect relationships to explain scientific phenomena or analyze problems.

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.