**6th Grade Science Lesson**

**1. Lesson Topic/Title and Pacing**

* **Living Environment**
* **Standard: 4**
* **Key Idea: 4 – Energy exists in many forms, and when these forms change energy is conserved.**
* **Performance Indicator: 4.1 – Describe the sources and identify the transformations of energy in everyday life.**
* **Major Understanding: 4.1d – Different forms of energy include heat, light, electrical, mechanical, sound, nuclear, and chemical. Energy is transformed in many ways.**

**2. Performance Objectives**

* **Explain how energy is transformed from one form to another.**
* **Explain the law of Conservation of Energy.**

**3. Vocabulary**

* **Heat energy, light energy, electrical energy, mechanical energy, sound energy, nuclear energy, chemical energy, law of conservation of energy, generator, thermal energy, potential energy, kinetic energy**

**4. Activity**

* **Construct a concept map of different energy forms and their descriptions.**
* **Have students look at visuals, diagrams, and pictures of various energy sources and identify the source, and write about their observations of possible transformations going on.**

**5. Assessment/Student Outcome**

* **Describe the major forms of energy and how they are transformed from one to another.**