**6th Grade Science Lesson**

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

* **Living Environment**
* **Standard: 4**
* **Key Idea: 6 - Plants and animals depend on each other and their physical environment.**
* **Performance Indicator: 6.1 – Describe the flow of energy and matter through food chains and food webs.**
* **Major Understanding: 6.1a – Energy flows through ecosystems in one direction, usually from the Sun, through producers to consumers and then to decomposers. This process may be visualized with food chains or energy pyramids.**

**2. Performance Objectives**

* **Describe the flow of energy through an ecosystem starting from the Sun.**

**3. Vocabulary**

* **Sun, producer, consumer, decomposer, food chain, energy pyramid, organism**

**4. Activity**

* **Take students outside and have them create a food chain diagram based on what they see in the back field. Students need to start her chain with the Sun as the primary source of energy, identify the producer, identify at least one level of consumer, and identify potential (if not visible) decomposers in this ecosystem.**
* **Return to class. Create an energy pyramid based on food chain created in back field.**

**5. Assessment/Student Outcome**

* **How does energy flow in an ecosystem?**
* **How are food chains and energy pyramids used to show energy flow in an ecosystem?**