**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: 6.1b – Food webs identify feeding relationships among producers, consumers, and decomposers in an ecosystem.**

**2. Performance Objectives**

* **State the feeding relationship of each organism in a food web.**
* **Explain why organisms are labeled consumers, producers, decomposers, etc.**

**3. Vocabulary**

* **Producer, consumer, decomposer, herbivore, carnivore, autotroph, heterotroph, scavenger, omnivore, interdependence**

**4. Activity**

* **Take students outside and have them create a food web diagram based on what they see in the back field. Students need to start their web with one food chain from the back field. Be sure to have 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. Attach other living things to the ones already on the web to extend the chain to multiple possible chains.**

**5. Assessment/Student Outcome**

* **In what ways are organisms interdependent?**
* **How are food webs related to food chains and energy pyramids?**