**6th Grade Science Lesson**

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

* **Living Environment**
* **Standard: 4**
* **Key Idea: 7 – Human decisions and activities have had a profound impact on the physical and living environment.**
* **Performance Indicator: 7.1 – Describe how living things, including humans, depend on the living and non-living environment for their survival.**
* **Major Understanding: 7.1b – Given adequate resources and no disease or predators, populations (including humans) increase. Lack of resources, habitat destruction, and other factors such as predation and climate limit the growth of certain populations in the ecosystem.**

**2. Performance Objectives**

* **Explain why natural populations do not continuously increase over time.**

**3. Vocabulary**

* **Disease, predator/predation, habitat destruction, climate, ecosystem, carrying capacity, limiting factors, limited resources, prey**

**4. Activity**

* **Discuss how populations are affected by carrying capacity and limiting factors.**
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**5. Assessment/Student Outcome**

* **List and describe factors which limit the growth of a population.**
* **Given a population graph, explain what factors may have caused the population to fluctuate.**