**6th Grade Science Lesson**

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

* **Living Environment**
* **Standard: 5**
* **Key Idea: 5 – Energy and matter interact through forces that result in changes in motion.**
* **Performance Indicator: 5.1 – Describe different patterns in motion of objects.**
* **Major Understanding: 5.1e – For every action there is an equal and opposite reaction.**

**2. Performance Objectives**

* **Explain Newton’s third law of motion.**

**3. Vocabulary**

* **Newton’s third law of motion, reaction force, vertical lift, horizontal force**

**4. Activity**

* **Investigate Newton’s third law of motion.**
* **Conduct activities with balloon rockets to observe Newton’s third law of motion.**

**5. Assessment/Student Outcome**

* **Describe how objects obey Newton’s third law of motion.**