**Second 9 weeks Unit Overview**

**2nd – Energy**

**Standards Addressed: S2P2a and b**

**Lesson Objectives**

**Engage and Explore**

Students will identify 3 types of energy and examples or each. Students will observe 3 different examples of how the sun provides energy to the earth.

**Explore**

Students will participate in an energy scavenger hunt and then see heat energy in motion through 2 different activities.

**Explore and Explain**

Students will learn about wind turbines and try to create the most effective shaped wind turbine blades.

**Pushes and Pulls**

**Standards Addressed: S2P3a, b**

**Lesson Objectives**

**Engage and Explore**

Students will do many different test to observe the effect of pushes on different items.

**Explore and Explain**

Students will continue to explore pushes and pulls through creating a zoom ball toy.

**Explore**

Students will explore the effect that speed and direction have on a marble when they are trying to reach specific goals.

**Explore and Explain**

Students will build cars that are powered by the air exiting a balloon.