# **7th Grade Science Agenda**- Mrs. Sharon

## Week of December 5, 2016

| Day | In Class/Learning Targets | HW/Reminders |
|---|---|---|
| **Monday**<br>**12-5**<br><br>*I can describe physical and chemical properties of matter.* | **See Math and Science**<br><br>**Check: Candy Compounds Lab**<br><br>1. Physical vs. Chemical Properties<br>-class discussion/notes in notebook<br>-evidence of chemical reactions<br>2. Egg in Vinegar Demo<br>3. Rapid Rusting Lab | **Success Criteria**<br>-8/10 physical/chemical properties<br><br>-Identifying evidence of chemical properties |
| **Tuesday**<br>**12-6** | **Block Schedule-Odd Day (2, 4, 6)** | |
| **Wednesday**<br>**12-7**<br><br>*I can observe physical and chemical properties before and after a chemical reaction.* | **Block Schedule-Odd Day (1, 3, 7)**<br><br>1. Mystery Powders Lab | **Success Criteria**<br>-Identifying the mystery powder based on chemical and physical properties |
| **Thursday**<br>**12-8** | **Block Schedule-Even Day (2, 4, 6)**<br>**See Wednesday** | |
| **Friday**<br>**12-9**<br><br>*I can observe physical and chemical properties before and after a chemical reaction.* | **See All Classes-Early Release**<br><br>1. Observe Egg in Vinegar<br>2. Finish Rapid Rusting Lab<br>3. Finish Mystery Powders Lab | **Success Criteria:**<br>-Identifying properties before and after the chemical reactions<br><br>-Identifying the mystery powders |

Standards Covered This Week:

**MS-PS1-1 Develop models to describe the atomic composition of simple molecules and extended structures.**

**PS1.A: Disciplinary Core Ideas**

- Substances are made from different types of atoms, which combine with one another in various ways. Atoms form molecules that range in size from two to thousands of atoms.
- Gases and liquids are made of molecules or inert atoms that are moving relative to each other.
- In a liquid, the molecules are constantly in contact with others; in a gas, they are widely spaced except when they happen to collide. In a solid, atoms are closely spaced and may vibrate in position but do not change relative locations
- Solids may be formed from molecules, or they may be extended structures with repeating subunits (e.g., crystals).
- The changes of state that occur with variations in temperature or pressure can be described and predicted using these models of matter.

**MS-PS1-2. Analyze and interpret data on the properties of substances before and after the substances interact to determine if a chemical reaction has occurred.**

**PS1.A: Disciplinary Core Ideas**

**Structure and Properties of Matter**

- Each pure substance has characteristic physical and chemical properties (for any bulk quantity under given conditions) that can be used to identify it.

**Patterns**

- Macroscopic patterns are related to the nature of microscopic and atomic-level structure.