

7th Grade Science Agenda- Mrs. Sharon

Week of December 12, 2016

Day	In Class/Learning Targets	HW/Reminders
Monday 12-12	NO SCHOOL SNOW DAY!	
Tuesday 12-13 <i>I can understand how the total number of atoms does not change in a chemical reaction and the mass is conserved.</i>	Block Schedule-Odd Day (1, 3, 7) Finish and Check: Mystery Powders Lab 1. Law of Conservation of Mass Notes and Practice 2. Law of Conservation of Mass Lab 3. Start Study Guide	Unit Test Dec. 19/20 <u>Success Criteria</u> *Identify the mystery powders * Totaling up the total amount of mass before and after a chemical reaction.
Wednesday 12-14	Block Schedule-Odd Day (2, 4, 6) See Tuesday	
Thursday 12-15 <i>I can identify physical and chemical properties before and after a chemical reaction.</i>	See Science and Math 1. Start Holiday Crystal Lab 2. Work on Study Guide	Unit Test Dec. 19/20 Success Criteria * Correctly finding the total mass before and after a chemical reaction.
Friday 12-16 <i>I can understand how the total number of atoms does not change in a chemical reaction and the mass is conserved.</i>	See All Classes-Early Release 1. Law of Conservation of Mass Practice 2. Finish Study Guide	Unit Test Dec. 19/20 Success Criteria: At least 20/25 on the study guide.

Standards Covered This Unit:

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.