

# 7th Grade Science Agenda- Mrs. Sharon

Week of October 31, 2016

Day	In Class	HW/Reminders
<p><b>Monday 10-31</b></p> <p><i>I can understand that matter exists as solids, liquids and gases.</i></p>	<p><b>Block Schedule-Odd Day (1, 3, 7)</b></p> <p><b>Check: Halloween Mystery Lab</b></p> <p><u>Begin Chemistry Unit</u></p> <ol style="list-style-type: none"> <li>1. Brainstorm Matter</li> <li>2. <b>Molecules Matter Lab</b></li> </ol> <p><i>*Molecules in Liquid Water Animation</i>  <a href="http://www.middleschoolchemistry.com/multimedia/chapter1/lesson1#particles_of_a_liquid">http://www.middleschoolchemistry.com/multimedia/chapter1/lesson1#particles_of_a_liquid</a></p> <p><i>*Water Molecules</i>  <a href="http://www.middleschoolchemistry.com/multimedia/chapter1/lesson1#water_molecules">http://www.middleschoolchemistry.com/multimedia/chapter1/lesson1#water_molecules</a></p> <p><i>*Water Balloon</i>  <a href="http://www.middleschoolchemistry.com/multimedia/chapter1/lesson1#water_balloon">http://www.middleschoolchemistry.com/multimedia/chapter1/lesson1#water_balloon</a></p> <ol style="list-style-type: none"> <li>3. Matter Notes in notebook and classifying activity</li> </ol>	<p>Friday is the last day for late/missing work.</p> <p>Finish Molecules Matter Lab</p> <p>Matter quiz on Friday</p> <p><b>Success Criteria</b></p> <ol style="list-style-type: none"> <li>1. Answering 6/9 lab questions correctly</li> <li>2. Correctly drawing molecules for solid, liquid, gas on notes</li> </ol>
<p><b>Tuesday 11-1</b></p>	<p><b>Block Schedule-Even Day (2, 4, 6)</b></p> <p><b>See Monday</b></p>	<p>Friday is the last day for late/missing work.</p>
<p><b>Wednesday 11-2</b></p> <p><i>I can understand that matter exists as solids, liquids and gases.</i></p>	<p><b>Block Schedule-Odd Day (1, 3, 7)</b></p> <p><b>Check: Molecules Matter Lab</b></p> <ol style="list-style-type: none"> <li>1. Review Matter</li> </ol>	<p>Matter Quiz on Friday</p> <p>Friday is the last day for late/missing work.</p>

<p><i>I can understand that matter exists as solids, liquids and gases.</i></p>	<p><b>Focus Question: Is the speed of water molecules different in hot and cold water?</b></p> <p><b>2. Molecules in Motion Lab</b>  *Heating and Cooling a Liquid  <a href="http://www.middleschoolchemistry.com/multimedia/chapter1/lesson2#heating_and_cooling">http://www.middleschoolchemistry.com/multimedia/chapter1/lesson2#heating_and_cooling</a></p> <p>*Water Molecules At Different Temperatures  <a href="http://www.middleschoolchemistry.com/multimedia/chapter1/lesson2#water_molecules_at_different_temperatures">http://www.middleschoolchemistry.com/multimedia/chapter1/lesson2#water_molecules_at_different_temperatures</a></p> <p>3. What is An Atom?  -Notes/Coloring</p>	<p>Matter Quiz on Friday</p> <p>Friday is the last day for late/missing work.</p> <p><b>Success Criteria</b>  1. Answering 5/7 lab questions correctly  2. Correctly labeling a model of an atom</p>
<p><b>Thursday 11-3</b></p>	<p><b>Block Schedule-Even Day (2, 4, 6)</b></p> <p><b>See Wednesday</b></p>	
<p><b>Friday 11-4</b></p> <p><i>I can understand that matter exists as solids, liquids and gases.</i></p>	<p><b>See All Classes-Early Release</b></p> <p><b>Check: Molecules in Motion Lab</b></p> <p>1. Matter Quiz</p>	<p><b>End of Quarter 1</b></p> <p><b>Success Criteria:</b>  Achieving 85% or higher on Matter Quiz</p>

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.

**S.IP.M.1 Inquiry involves generating questions, conducting investigations, and developing solutions to problems through reasoning and observation.**

**S.I.P.07.11**

Generate scientific questions based on observations, investigations and research.

**Success Criteria:**

**S.I.P.07.12**

Design and conduct scientific investigations.

**Success Criteria:**

**S.I.P.07.13**

Use tools and equipment (spring scales, stop watches, meter sticks, tape measures, models, hand lens, thermometer, sieves, microscopes, hot plate, pH meters) appropriate to scientific investigations.

**Success Criteria:**

**S.I.P.07.14**

Use metric measurement devices in an investigation.

**Success Criteria:**

**S.I.P.07.15**

Construct charts and graphs from data and observations.

**Success Criteria:**

**S.I.P.07.16**

Identify patterns in data.

**Success Criteria:** Correlation between diameter and seed count is observed.

**S.IA.M.1**

**Inquiry included an analysis and presentation of findings that lead to future questions, research and investigations.**

**S.IA.07.11**

Analyze information from data tables and graphs to answer scientific questions.

**Success Criteria:**

**S.IA.07.13**

Communicate and defend findings of observations and investigations.

**Success Criteria:**

**S.RS.M.1: Reflecting on knowledge in the application of scientific knowledge to new and different situations. Reflecting on knowledge requires careful analysis of evidence that guides decision-making and the application of science throughout history and within society.**

**S.RS.07.19**

Describe how science and technology have advanced because of the contributions of many people throughout history and across cultures

**Success Criteria:**