

## WEEK OF August 26th-August 30th, 2024

COURSE: 8th Grade ADV & GEN Science		TEACHER: Turner		PERIODS: 1, 2, 3, 4, 6		
	OBJECTIVES	ACTIVITIES	MATERIALS	HOMEWORK	ASSESSMENT	STANDARDS
MON	<p>Prerequisite Skills</p> <p>ACT Quality Core:</p> <p>f. Safely use laboratory equipment and techniques when conducting scientific investigations.</p>	<p><b>GEN BR:</b> Variables questions</p> <p><b>ADV BR:</b> Variables questions</p> <p><b>Students will:</b></p> <p><b>GEN:</b> Review and correct Study Guide; play a game to review for test; organize notebook.</p> <p><b>ADV:</b> Complete Checkpoint NOS.4; review Variables activity; complete Interpreting Data &amp; Drawing Conclusions; complete Scientific Process Skills Circuit.</p>	<p>Study Guide</p> <p>E3/A+ Checkpoint NOS.4</p> <p>Variables Activity</p> <p>Interpreting Data &amp; Drawing Conclusions</p> <p>Scientific Process Skills Circuit</p>	<p>Finish any unfinished classwork</p> <p><b>GEN: Review for NOS Test Tuesday; organize NB for NB Test Wednesday</b></p> <p><b>ADV: Review for NOS Test Wednesday; organize NB for NB Test Thursday</b></p>	<p>Participation; Checkpoint</p>	<p>Prerequisite Skills</p> <p>ACT Quality Core:</p> <p>f. Safely use laboratory equipment and techniques when conducting scientific investigations.</p>
TUES	<p>Demonstrate understanding and knowledge of the nature of science unit.</p>	<p><b>GEN BR:</b> Scientific Method questions</p> <p><b>ADV BR:</b> Scientific Method questions</p> <p><b>Students will:</b></p> <p><b>GEN:</b> Complete Nature of Science Unit Test; organize notebook for NB Test.</p> <p><b>ADV:</b> Complete Checkpoint NOS.5; play review game for Unit test tomorrow.</p>	<p>Nature of Science Unit Test</p> <p>E3/A+ Checkpoint NOS.5</p> <p>Kahoot</p>	<p>Finish any unfinished classwork</p> <p><b>GEN: Organize NB for NB Test Wednesday</b></p> <p><b>ADV: Review for NOS Test Thursday; organize NB for NB Test Friday</b></p>	<p>Participation; Test; Checkpoint</p>	<p>Prerequisite Skills</p> <p>ACT Quality Core:</p> <p>f. Safely use laboratory equipment and techniques when conducting scientific investigations.</p>

<p>W E D</p>	<p>Demonstrate understanding and knowledge of the nature of science unit.</p> <p>Demonstrate organizational skills.</p>	<p><b>GEN BR:</b> Hypothesis questions</p> <p><b>ADV BR:</b> Lab equipment questions</p> <p><b>Students will:</b></p> <p><b>GEN:</b> Complete Nature of Science NB Test; complete Science-8 Pre-Test; make a new title page for Matter Unit.</p> <p><b>ADV:</b> Complete NOS Unit Test; organize NB for NOS NB Test tomorrow.</p>	<p>Nature of Science NB Test</p> <p>Science-8 Pre-Test</p> <p>NOS Unit Test</p>	<p>Finish any unfinished classwork</p> <p><b>ADV: Organize NB for NB Test Friday</b></p>	<p>Participation; NB Test; NOS Unit Test</p>	
<p>T H U R S</p>	<p>Define matter and classify descriptions as matter or nonmatter.</p> <p>Differentiate states of matter based on molecular structure.</p> <p>Describe properties of each state of matter.</p> <p>Describe how the addition or removal of thermal energy affects the state of matter.</p> <p>Demonstrate organizational skills.</p>	<p><b>GEN BR:</b> Lab equipment questions</p> <p><b>ADV BR:</b> Scientific Method questions</p> <p><b>Students will:</b></p> <p><b>GEN:</b> Define Ch.8 Lessons 1 &amp; 2 vocabulary words; watch Crash Course video: What's Matter?; Why Does Matter Matter?; begin PhET Simulation - States of Matter Basics.</p> <p><b>ADV:</b> Complete NOS NB Test; complete Science-8 Pre-Test; make a new title for Unit 1 - Matter.</p>	<p>McGraw Hill textbook - Ch.8 Lessons 1 &amp; 2</p> <p>Crash Course video - What's Matter</p> <p>Why Does Matter Matter?</p> <p>PhET Simulation</p> <p>NOS NB Test</p> <p>Science-8 Pre-Test</p>	<p>Finish any unfinished classwork</p>	<p>Participation; NB Test</p>	<p>ACOS:</p> <p>2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties.</p> <p>4. Design and conduct an experiment to determine change in particle motion, temperature, and state of a pure substance when thermal energy is added or removed.</p> <p>5. Observe and analyze characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.</p>

<p><b>F</b> <b>R</b> <b>I</b></p>	<p>Define matter and classify descriptions as matter or nonmatter.</p> <p>Differentiate states of matter based on molecular structure.</p> <p>Describe properties of each state of matter.</p> <p>Describe how the addition or removal of thermal energy affects the state of matter.</p>	<p><b>GEN BR:</b> Scientific Method questions</p> <p><b>ADV BR:</b> Review questions</p> <p><b>Students will:</b></p> <p><b>GEN:</b> Finish PhET Simulation - States of Matter; complete States of Matter Doodle Notes; States of Matter Venn Diagram. Review NOS Test.</p> <p><b>ADV:</b> Read Matter Article &amp; answer questions; watch Crash Course video: What's Matter?; complete Unit 1 notes p.1.</p>	<p>PhET Simulation</p> <p>States of Matter Doodle Notes</p> <p>States of Matter Venn Diagram</p> <p>Matter Article</p> <p>Crash Course video - What's Matter</p> <p>E3/A+ Unit 1 notes</p>	<p>Finish any unfinished classwork</p>	<p>Participation</p>	<p>ACOS:</p> <p>2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties.</p> <p>4. Design and conduct an experiment to determine change in particle motion, temperature, and state of a pure substance when thermal energy is added or removed.</p> <p>5. Observe and analyze characteristic properties of substances before and after the substances combine to determine if a chemical reaction has occurred.</p>
---	---	---	--	--	----------------------	---