

WEEK OF September 11-15th , 2023

COURSE: 8th Grade ADV & GEN Science		TEACHER: Arleshia L. Turner		PERIODS: 1, 2, 3, 4, 6		
	OBJECTIVES	ACTIVITIES	MATERIALS	HOMEWORK	ASSESSMENT	STANDARDS
MON	<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>Differentiate between phases of matter.</p> <p>Identify phase changes based on movement of thermal energy.</p> <p>Define physical and chemical properties.</p> <p>Utilize physical and chemical properties to show how substances differ.</p> <p>Differentiate physical and chemical properties.</p>	<p>GEN BR: Phys/Chem properties questions</p> <p>ADV BR: States of matter questions</p> <p>Students will: GEN: Complete Physical & Chemical Situation cards; complete Odd One Out: Physical & Chemical Changes; Physical/Chemical Properties & Changes worksheet.</p> <p>ADV: Complete Checkpoint 1.2; read Physical, Chemical, & Nuclear article & answer questions; complete States of Matter Task Cards; complete What is Matter & Changes in Matter; complete Key Concept Builder – States of Matter & Changes in States.</p>	<p>Physical & Chemical Situation cards</p> <p>Odd One Out: Physical & Chemical Changes</p> <p>Physical/Chemical Properties & Changes worksheet</p> <p>E3/A+ Checkpoint 1.2</p> <p>Physical, Chemical, & Nuclear article</p> <p>States of Matter Task Cards</p> <p>What is Matter & Changes in Matter</p> <p>Key Concept Builder – States of Matter & Changes in States</p>	<p>Finish any unfinished classwork</p> <p style="color: blue; font-weight: bold;">GEN: Study for Vocabulary Quiz Friday</p>	<p>Participation; checkpoint</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>
TUES	<p>Define physical and chemical properties.</p> <p>Utilize physical and chemical properties to show how substances differ.</p> <p>Differentiate physical and chemical properties.</p> <p>Calculate density and</p>	<p>GEN BR: Phys/Chem Changes questions</p> <p>ADV BR: Changes in states questions</p> <p>Students will: GEN: Puddy Lab, Complete Density Foldables; discuss formula,</p>	<p>Density Foldables</p> <p>Density Practice Problems</p> <p>E3/A+ Unit 1 Notes</p> <p>Physical & Chemical Changes Card Sort</p>	<p>Finish any unfinished classwork</p> <p style="color: blue; font-weight: bold;">GEN: Study for Vocabulary Quiz Friday</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</p>

	<p>manipulate the density formula to solve for mass and volume.</p>	<p>calculations, regular objects, irregular objects, units, & how to manipulate the formula; complete Density Practice Problems.</p> <p>ADV: Discuss Unit 1 Notes pp.5-9: physical & chemical properties & changes, size dependent & independent; complete Physical & Chemical Changes Card Sort; complete Physical & Chemical Properties & Changes worksheet.</p>	<p>Physical & Chemical Properties & Changes worksheet</p>			<p>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>W E D</p>	<p>Define physical and chemical properties.</p> <p>Utilize physical and chemical properties to show how substances differ.</p> <p>Differentiate physical and chemical properties.</p> <p>Calculate density and manipulate the density formula to solve for mass and volume.</p> <p>Calculate volume of regular & irregular objects.</p> <p>Calculate density of a regular & irregular object.</p> <p>Differentiate between samples of matter based on the physical property of density.</p>	<p>GEN BR: Endothermic & Exothermic questions</p> <p>ADV BR: Phys/Chem properties questions</p> <p>Students will:</p> <p>GEN: Complete Density Lab; demo Physical & Chemical lab.</p> <p>ADV: Complete Checkpoint 1.3; complete Physical & Chemical Properties & Changes Lab.</p>	<p>Density Lab E3/A+ Checkpoint 1.3</p> <p>Physical & Chemical Properties & Changes Lab</p>	<p>Finish any unfinished classwork</p> <p>GEN: Study for Vocabulary Quiz Friday</p>	<p>Participation; lab</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>T H U</p>	<p>Define physical and chemical properties.</p>	<p>GEN BR: Density questions</p> <p>ADV BR:</p>	<p>Exploring Density</p> <p>Mass, Volume,</p>	<p>Finish any unfinished classwork</p>	<p>Participation</p>	<p>ACOS:</p> <p>2. Plan and carry out</p>

R S	<p>Utilize physical and chemical properties to show how substances differ.</p> <p>Differentiate physical and chemical properties.</p> <p>Calculate density and manipulate the density formula to solve for mass and volume.</p> <p>Calculate volume of regular & irregular objects.</p> <p>Calculate density of a regular & irregular object.</p> <p>Differentiate between samples of matter based on the physical property of density.</p>	<p>Phys/Chem changes questions</p> <p>Students will:</p> <p>GEN: Complete Exploring Density; complete Mass, Volume, Density? worksheet.</p> <p>ADV: Complete Odd One Out: Physical & Chemical Properties & Changes; discuss Density property: formula, calculations, regular objects, irregular objects, units, & how to manipulate the formula; complete Density Practice Problems.</p>	<p>Density?</p> <p>Odd One Out: Physical & Chemical Properties & Changes</p> <p>Density Practice Problems</p>	<p>GEN: Study for Vocabulary Quiz Friday</p>		<p>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>
F R I	<p>Demonstrate knowledge of matter unit vocabulary.</p> <p>Calculate density and manipulate the density formula to solve for mass and volume.</p> <p>Calculate volume of regular & irregular objects.</p> <p>Calculate density of a regular & irregular object.</p> <p>Differentiate between samples of matter based on the physical property of density.</p>	<p>GEN BR: Density questions</p> <p>ADV BR: Endothermic & exothermic questions</p> <p>Students will:</p> <p>GEN: Complete Matter Vocabulary Quiz; complete Study Guide for Matter Unit Test.</p> <p>ADV: Complete Checkpoint 1.4; complete Density Lab.</p>	<p>Matter Vocabulary Quiz</p> <p>Study Guide for Matter Unit Test E3/A+ Checkpoint 1.3</p> <p>Density Lab</p>	<p>Finish any unfinished classwork</p>	<p>Participation; vocabulary quiz; lab</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>