

WEEK OF October 16th-20th, 2023

COURSE: 8th Grade ADV & GEN Science		TEACHER: Arleshia Turner		PERIODS: 1, 2, 3, 4, 6		
	OBJECTIVES	ACTIVITIES	MATERIALS	HOMEWORK	ASSESSMENT	STANDARDS
MON	<p>Demonstrate organizational skills.</p> <p>Memorize 45 common element names & symbols in order to utilize periodic tables more efficiently.</p>	<p>GEN BR: Review questions</p> <p>ADV BR: Review questions</p> <p>Students will:</p> <p>GEN: Complete Atoms Unit Notebook Test; complete a new title page & table of contents; complete vocabulary for Ch. 11; begin making Element Symbol Flashcards.</p> <p>ADV: Complete Unit 2 Notebook Test; make a new title page & table of contents; begin making Element Symbol Flashcards.</p>	<p>Atoms Unit Test Review Test</p> <p>McGraw-Hill Physical Science Textbook</p> <p>Element Symbol Flashcard List</p>	<p>Finish any unfinished classwork</p> <p>GEN & ADV: Continue working on Element Symbol Flashcards & memorizing them</p>	<p>Participation; NB Test</p>	<p>ACOS:</p> <ol style="list-style-type: none"> Analyze patterns within the periodic table to construct models that illustrate the structure composition and characteristics of atoms and simple and complex molecules Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties
TUES	<p>Use a periodic table to determine an atom's valence electrons.</p> <p>Determine if an atom will bond based on its number of valence electrons.</p> <p>Describe the Octet Rule and how it pertains to chemical bonding.</p>	<p>GEN BR: Element Flashcards</p> <p>ADV BR: Element Flashcards</p> <p>Students will:</p> <p>GEN: Complete Periodic Table Notes on groups/families & properties using Periodic Table PPT.</p> <p>ADV: Complete Sweet 16 Periodic Table Tournament; complete Valence Electrons Guided Notes & practice; add valence</p>	<p>Unit Test-Atoms</p> <p>Periodic Table Notes</p> <p>Periodic Table PPT</p> <p>Sweet 16 Periodic Table Tournament</p> <p>Valence Electrons Guided Notes & practice</p> <p>Unit Test</p>	<p>Finish any unfinished classwork</p> <p>GEN & ADV: Continue working on Element Symbol Flashcards & memorizing them</p>	<p>Participation</p>	<p>ACOS:</p> <ol style="list-style-type: none"> Analyze patterns within the periodic table to construct models that illustrate the structure composition and characteristics of atoms and simple and complex molecules Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties

		electrons to periodic table; begin Periodic Table Notes on groups/families & properties.				
W E D	Name periodic table groups, identify group members, identify properties, & location.	<p>GEN BR: Element Flashcards</p> <p>ADV BR: Element Flashcards</p> <p>Students will:</p> <p>GEN: Complete Valence Electrons Guided Notes & practice; add valence electrons to periodic table.</p> <p>ADV: Finish Periodic Table Notes; watch video Chris Bozeman Electron Dot Diagram; complete Lewis Structure Notes & Practice using Middle School Science PPT.</p>	<p>Unit Notebook Test</p> <p>Valence Electrons Guided Notes & practice</p> <p>Periodic Table Notes</p> <p>Periodic Table PPT</p> <p>Chris Bozeman Electron Dot Diagram video</p> <p>Lewis Structure Notes & Practice</p> <p>Middle School Science PPT</p> <p>Unit-Notebook Test</p>	<p>Finish any unfinished classwork</p> <p>GEN & ADV: Continue working on Element Symbol Flashcards & memorizing them</p>	Participation	<p>ACOS:</p> <ol style="list-style-type: none"> Analyze patterns within the periodic table to construct models that illustrate the structure composition and characteristics of atoms and simple and complex molecules Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties
T H U R S	Utilize the Periodic Table to construct a Lewis Structure (Electron Dot Diagram) to show an atom's valence electrons.	<p>GEN BR: Valence electron questions</p> <p>ADV BR: Valence electron questions</p> <p>Students will:</p> <p>GEN: Watch video Chris Bozeman Electron Dot Diagram; complete Lewis Structure Notes & Practice using Middle School Science PPT.</p> <p>ADV: Read Chemical Compounds Article & answer questions; discuss Unit 3 Notes; begin Periodic Table</p>	<p>Chris Bozeman Electron Dot Diagram video</p> <p>Lewis Structure Notes & Practice</p> <p>Middle School Science PPT</p> <p>Chemical Compounds Article</p> <p>E3/A+ Unit 3 Notes</p> <p>Periodic Table Basics Project</p>	<p>Finish any unfinished classwork</p> <p>GEN & ADV: Continue working on Element Symbol Flashcards & memorizing them</p>	Participation; test	<p>ACOS:</p> <ol style="list-style-type: none"> Analyze patterns within the periodic table to construct models that illustrate the structure composition and characteristics of atoms and simple and complex molecules Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties

		Basics Project.				
F R I	<p>Utilize the Periodic Table to construct a Lewis Structure (Electron Dot Diagram) to show an atom's valence electrons.</p> <p>Determine if an atom is neutral or electrically charged.</p> <p>Describe how an ion is formed.</p> <p>Differentiate between cations and anions.</p>	<p>GEN BR: Lewis Structure questions</p> <p>ADV BR: Lewis Structure questions</p> <p>Students will:</p> <p>GEN: Begin Periodic Table Basics Project.</p> <p>ADV: Discuss Unit 3 Notes; watch video What is an Ion? - Tyler DeWitt; label periodic table with oxidation numbers; complete Is it an Ion?; watch video Intro to Ionic Bonding - Tyler D..</p>	<p>Periodic Table Basics Project</p> <p>E3/A+ Unit 3 Notes</p> <p>What is an Ion? - Tyler DeWitt video</p> <p>Is it an Ion?</p> <p>Intro to Ionic Bonding - Tyler DeWitt video</p>	<p>Finish any unfinished classwork</p> <p>GEN & ADV: Continue working on Element Symbol Flashcards & memorizing them</p>	Participation	<p>ACOS:</p> <ol style="list-style-type: none"> Analyze patterns within the periodic table to construct models that illustrate the structure composition and characteristics of atoms and simple and complex molecules Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic properties