WEEK OF September 25-29, 2023

COURSE: 8th Grade ADV & GEN Science		TEACHER: Arleshia Turner			PERIODS: 1, 2, 3, 4, 6	
	OBJECTIVES	ACTIVITIES	MATERIALS	HOMEWORK	ASSESSMENT	STANDARDS
MON	Demonstrate organizational skills. Discuss different scientists and their contribution to the atomic theory. Differentiate between atomic discoveries, who made the discovery, and when the discovery occurred. Label the parts of an atom and describe the mass and charge of each part.	**GEN BR**: Atomic Theory questions **ADV BR:**Review questions **Students will:** **GEN:** Complete Key Concept Builder - Atomic Theory; read An Atom Apart Article & answer questions; complete Parts of an Atom Doodle Notes. **ADV:** Complete Unit 1 Notebook Test; make a new title page & table of contents for Unit 2 - Atoms.	Key Concept Builder - Atomic Theory An Atom Apart Article & questions Parts of an Atom Doodle Notes Unit 1 NB Test	Finish any unfinished classwork	Participation	ACOS: 1. Analyze patterns within the periodic table to construct models that illustrate the structure composition and characteristics of atoms and simple and complex molecules 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
TUES	Discuss different scientists and their contribution to the atomic theory. Differentiate between atomic discoveries, who made the discovery, and when the discovery occurred. Label the parts of an atom and describe the mass and charge of each part. Describe how atoms of different elements differ. Label an element box from the Periodic Table of Elements. Describe the information in	**GEN BR**: Parts of an Atom questions **ADV BR:** Review questions **Students will:** **GEN:** Complete Atoms Family (front side) using PPT; complete Element Box Doodle Notes; discuss APE MAN acronym; complete back side of Atoms Family. **ADV:** Discuss Unit 2 notes pp.3-4; watch videos Just How Small is an Atom? & TED Talk - 24,000 Year Search for the	Atoms Family Atoms Family PPT Element Box Doodle Notes E3/A+ Unit 2 notes Just How Small is an Atom? Video TED Talk - 24,000 Year Search for the Atom video Atomic Theory Timeline	Finish any unfinished classwork	Participation	ACOS: 1. Analyze patterns within the periodic table to construct models that illustrate the structure composition and characteristics of atoms and simple and complex molecules 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

	an element box from the Periodic Table of Elements. Calculate the number of protons, electrons, and neutrons in an atom of any given element.	Atom; complete Atomic Theory Timeline.				
WED	Label the parts of an atom and describe the mass and charge of each part. Describe how atoms of different elements differ. Calculate the number of protons, electrons, and neutrons in an atom of any given element.	**GEN BR:** Parts of an Atom questions **ADV BR:** Atomic Theory questions **Students will:** **GEN:** Finish back side of Atoms Family; complete Atoms Chart & Diagram; complete Round the Atomic Mass sheet. **ADV:** Complete Checkpoint 2.2; read An Atom Apart article & answer questions; discuss Unit 2 notes pp.1-2; complete Parts of an Atom Doodle notes; complete front side of Atoms Family.	Atoms Family Atoms Chart & Diagram Round the Atomic Mass E3/A+ Checkpoint 2.2 E3/A+ Unit 2 notes An Atom Apart Article & questions Parts of an Atom Doodle Notes	Finish any unfinished classwork	Participation; checkpoint	ACOS: 1. Analyze patterns within the periodic table to construct models that illustrate the structure composition and characteristics of atoms and simple and complex molecules 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
THURS	Identify the parts of an atom, their location, mass, and charge. Describe how atoms of different elements differ. Label an element box from the Periodic Table of Elements. Describe the information in an element box from the Periodic Table of Elements. Calculate the number of protons, electrons, and neutrons in an atom of any given element.	**GEN BR:** Element Box questions **ADV BR:** Part of an Atom questions **Students will:** **GEN:** Watch TED Talk - Genius of Mendeleev's Periodic Table; complete Color the Periodic Table activity. **ADV:** Complete Undiscovered Country PhET simulation & Lab.	TED Talk - Genius of Mendeleev's Periodic Table Color the Periodic Table activity Undiscovered Country PhET simulation & Lab	Finish any unfinished classwork	Participation	ACOS: 1. Analyze patterns within the periodic table to construct models that illustrate the structure composition and characteristics of atoms and simple and complex molecules 2. Plan and carry out investigations to generate evidence supporting the claim that one pure substance can be distinguished from another based on characteristic

	Describe the organization of the Periodic Table of Elements and how it has changed as new information was discovered.					properties
F R I	Label an element box from the Periodic Table of Elements. Describe the information in an element box from the Periodic Table of Elements. Calculate the number of protons, electrons, and neutrons in an atom of any given element. Differentiate between metals, nonmetals, and metalloids. Use a Periodic Table of Elements to determine if an element is a metal, nonmetal, or metalloid.	**GEN BR:** Calculate parts of an atom questions **ADV BR:** Parts of an Atom questions **Students will:** **GEN:** Discuss & complete notes on the properties of metals, nonmetals, & metalloids; complete Metals, Nonmetals, & Metalloids worksheet. **ADV:** Discuss Unit 2 notes pp.6-8; complete Element Box Doodle Notes; discuss acronym APE MAN; complete back side of Atoms Family.	Metals, Nonmetals, & Metalloids notes & worksheet E3/A+ Unit 2 notes Element Box Doodle Notes Atoms Family	Finish any unfinished classwork	Participation	ACOS: 1. Analyze patterns within the periodic table to construct models that illustrate the structure composition and characteristics of atoms and simple and complex molecules 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