

Department: Science

Grade Level: 8

Grading Period: 6

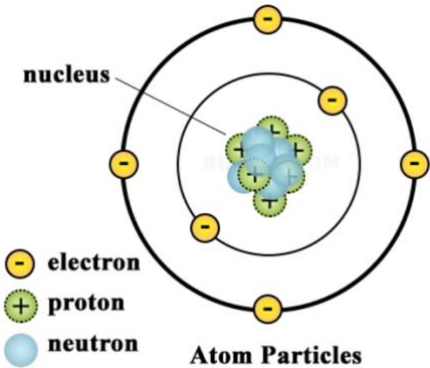
Week: 3

Dates: 04/28/20 – 05/05/2020

100% Every Student, Every Day

	Tuesday 04/28/2020	Wednesday 04/29/2020	Thursday 04/30/2020
TEKS	8.5 A describe the structure of atoms, including the masses, electrical charges, and locations, of protons and neutrons in the nucleus and electrons in the electron cloud; Readiness Standard	8.5 A describe the structure of atoms, including the masses, electrical charges, and locations, of protons and neutrons in the nucleus and electrons in the electron cloud; Readiness Standard	S.E.: 8.5(A) describe the structure of atoms, including the masses, electrical charges, and locations, of protons and neutrons in the nucleus and electrons in the electron cloud; Readiness Standard
Dual Coding	Process Standard 8.3(B)	Process Standard 8.3(B)	Process Standard
Lesson Objective (WE will learn) Anticipatory Set	We will describe the structure of atoms, including the masses, electrical charges, and locations, of protons and neutrons in the nucleus and electrons in the electron cloud	We will describe the structure of atoms, including the masses, electrical charges, and locations, of protons and neutrons in the nucleus and electrons in the electron cloud	We will describe the structure of atoms, including the masses, electrical charges, and locations, of protons and neutrons in the nucleus and electrons in the electron cloud
I will statement Independent Practice	I will complete 8.5A Vocabulary and STEMscopedia Reading.	I will watch Brain Pop Videos on Atomic Model.	I will view Atoms PowerPoint
Instruction: 1. Modeling 2. Guided Practice 3. Independent Practice	1. 8.5A Vocabulary 2. STEMscopedia Reading	1. Brain Pop Video	1. Atoms PowerPoint
	Homework: None	Homework: None	Homework: None
Seed Question FSGPT	What are the subatomic particles that compose an atom? What determines the mass of an atom? What are the charges of electrons, protons and neutrons?	What are the subatomic particles that compose an atom? What determines the mass of an atom? What are the charges of electrons, protons and neutrons?	What are the subatomic particles that compose an atom? What determines the mass of an atom? What are the charges of electrons, protons and neutrons?
AVID strategy	Vocabulary/ Reading to Learn	Inquiry	Reading to Learn
Kagan / Lead4ward Strategy	Independent	Independent	Independent

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	Friday 05/01/2020	Monday 05/04/2020	Notes
TEKS Dual Coding	8.5 A describe the structure of atoms, including the masses, electrical charges, and locations, of protons and neutrons in the nucleus and electrons in the electron cloud; Readiness Standard	8.5 A describe the structure of atoms, including the masses, electrical charges, and locations, of protons and neutrons in the nucleus and electrons in the electron cloud; Readiness Standard	<p>Week 6 of Online Learning</p> <p>Deadline for assignment is next Tuesday, May 5, 2020!</p>  <p>The diagram shows a central nucleus composed of protons (green circles with '+') and neutrons (blue circles with 'n'). Surrounding the nucleus are two concentric circles representing electron shells. The inner shell contains two electrons (yellow circles with '-'), and the outer shell contains four electrons. A legend below the diagram identifies the particles: a yellow circle with '-' for an electron, a green circle with '+' for a proton, and a blue circle with 'n' for a neutron. The caption below the legend reads 'Atom Particles'.</p>
	Process Standard 8.3(B)	Process Standard 8.3(B)	
Lesson Objective (WE will) Anticipatory Set	We will describe the structure of atoms, including the masses, electrical charges, and locations, of protons and neutrons in the nucleus and electrons in the electron cloud	We will describe the structure of atoms, including the masses, electrical charges, and locations, of protons and neutrons in the nucleus and electrons in the electron cloud	
I will statement Independent Practice	I will complete PhET Simulation.	I will complete 8.5A assignment.	
Instruction: Modeling Guided Practice Independent Practice	1. PhET Simulation Build an Atom	1. ***8.5A Atomic Structure***	
	Homework: None	Homework: None	
Seed Question FSGPT	What are the subatomic particles that compose an atom? What determines the mass of an atom? What are the charges of electrons, protons and neutrons?	What are the subatomic particles that compose an atom? What determines the mass of an atom? What are the charges of electrons, protons and neutrons?	
AVID Strategy	Inquiry	Assignment	
Kagan/lead4ward Strategy	Independent	Independent	