



WESTSIDE HIGH SCHOOL

Level Up: *RISE* to Your Potential

24-25 Lesson Plan Template

Teacher: John Sim

Subject: Chemistry

Week of: 09/23/2024	Monday 09/23/24	Tuesday 09/24/24	Wed./Thurs. 09/25 & 26/24	Friday 09/27/24
TEKS	CHEM.6A Describe the experimental design and conclusions used in the development of modern atomic theory including Dalton's Postulates, Thomson's discovery of electron properties, Rutherford's nuclear atom, and Bohr's nuclear atom.	CHEM.6A Describe the experimental design and conclusions used in the development of modern atomic theory including Dalton's Postulates, Thomson's discovery of electron properties, Rutherford's nuclear atom, and Bohr's nuclear atom.	CHEM.6A Describe the experimental design and conclusions used in the development of modern atomic theory including Dalton's Postulates, Thomson's discovery of electron properties, Rutherford's nuclear atom, and Bohr's nuclear atom.	CHEM.6C Calculate average atomic mass of an element using isotopic composition.
Learning Objective	SWBAT identify scientists and their experimental designs that lead to the modern atomic theory.	SWBAT identify the properties of the subatomic particles in an atom and describe their function.	SWBAT Investigate properties of their assigned element and create a poster advertisement.	SWBAT calculate the average atomic mass using isotopic composition.
Higher Order Thinking Questions	How did Rutherford, Dalton, Bohr, Thomson, Democritus, Aristotle, Heisenberg, and Schrodinger contribute to the modern atomic theory?	What are the properties and function of the subatomic particles of an atom?	What are 3 uses of your assigned element?	How do you use the isotopic composition to calculate the average atomic mass?

Agenda	History of the Atomic Theory PPT/Notes and DOL	Parts of the Atoms Notes	Adopt an Element Research Project	Calculating Average Atomic Mass
Demonstration of Learning	Students are able to score a grade of 80 or above on identifying scientists of the atomic theory and their contributions.	Students are able to score a grade of 80 or above on properties and function of subatomic particles.	Students are able to score an 80 percent or higher on 5 questions related to their assigned element.	Students are able to score a grade of 80 or above on identifying scientists of the atomic theory and their contributions.
Intervention & Extension	Guided Notes	Guided Notes	Research Project	Guided Notes
Resources	Periodic Trends PPT and Guided Notes File: History of the Atomic Theory	Periodic Table PPT and Guided Notes File: Structure of an Atom	File: Adopt an Element	Periodic Table Calculator File: Calculating Average Atomic Mass Practice