



WESTSIDE HIGH SCHOOL

Level Up: *RISE* to Your Potential

24-25 Lesson Plan Template

Teacher: John Sim

Subject: Chemistry

Week of: 10/07/2024	Monday 10/07/2024	Tuesday 10/08/2024	Wed. / Thurs. 10/09 & 10/10/2024	Friday 10/11/2024
TEKS	6E	6E	6E	6E
Learning Objective	SWBAT identify the shapes of the s, p and d orbitals.	SWBAT Describe how the principal energy levels fill with electrons in atoms beyond hydrogen.	SWBAT analyze the general trends in electron configuration on the periodic table.	SWBAT List the electron configuration, noble gas configuration and electron orbital notation for selected elements.
Higher Order Thinking Questions	What is the relationship between the principal level and the number of sublevels?	How does the electron configuration for an element relate to the element's placement on the periodic table?	How does the electron configuration for an element relate to the element's placement on the periodic table?	What are the electron configuration, noble gas configuration, and orbital notation for a given element.
Agenda	Notes: Atomic Orbitals	Note: Electron Configuration and Atomic Properties	Lab: Organization of Electrons Gizmos: Electron Configuration	Practice
Demonstration of Learning	Students are able to score a grade of 80 or higher answering questions about Atomic Orbitals	Students are able to score a grade of 80 or higher on the questions about Electron Configuration	Student are able to score a grade of 80 or higher on questions about Electron Configuration	Student will be able to score an 80 or higher on questions about electron configuration.
Intervention &	Notes: Atomic Orbitals	Notes: Electron	Notes: Atomic Orbitals	Work Sheet

Extension		Configuration and Atomic Properties	Notes: Electron Configuration and Atomic Properties	
Resources	Notes Practice Power Point	Notes Practice Powerpoint Gizmos	Notes Practice Powerpoint Gizmos Lab	Notes Practice Powerpoint