

Westside High School - Weekly Plan to Align Lessons (Week At a Glance) – SY 24-25

Teacher: Finnegan

Subject: Science

Course: Chemistry

Grade: 10

Date(s): 8/19-8/23

Standard: SC1. Obtain, evaluate, and communicate information about the use of the modern atomic theory and periodic law to explain the characteristics of atoms and elements.							
Assessment: ☒ Quiz ☐ Unit Test ☐ Project ☒ Lab ☐ None							
	Pre-Teaching	Activation of Learning (5 min)	Focused Instruction (10 min) <i>*I DO</i>	Guided Instruction (10 min) <i>*WE DO</i>	Collaborative Learning (10 min) <i>*Y'ALL DO</i>	Independent Learning (10 min) <i>*YOU DO</i>	Closing (5 min)
	 Learning Target  Success Criteria 1  Success Criteria 2	- Do Now - Quick Write* - Think/Pair/Share - Polls - Notice/Wonder - Number Talks - Engaging Video - Open-Ended Question	- Think Aloud - Visuals - Demonstration - Analogies* - Worked Examples - Nearpod Activity - Mnemonic Devices*	- Socratic Seminar * - Call/Response - Probing Questions - Graphic Organizer - Nearpod Activity - Digital Whiteboard	- Jigsaw* - Discussions* - Expert Groups - Labs - Stations - Think/Pair/Share - Create Visuals - Gallery Walk	- Written Response* - Digital Portfolio - Presentation - Canvas Assignment - Choice Board - Independent Project - Portfolio	- Group Discussion - Exit Ticket 3-2-1 - Parking Lot - Journaling* - Nearpod
Monday	 I am learning about atom structure and models.	SAP Scientist recall question.	Review lab instructions from last week.	Review lab instructions from last week.	Students continue making marble Bohr isotopes.	Students continue making marble Bohr isotopes.	Summative check of correct/incorrect models.
	 I can explain the properties of each subatomic particle						
	 I can create Bohr models of various isotopes						
Tuesday	 I am learning about atom structure and models.	Isotope notation question.	Teacher will explain critical parts of periodic table.	Together, assign correct valence number to s and p block elements.	Students label their own tables in pairs or alone.	SAP scientists quiz.	SAP scientists quiz. Collect.
	 I can label the different parts of the periodic table based on name and properties.						
							
Wednesday	 I am learning about valence electrons and the octet rule.	Names of p-table columns question.	Explanation of valence electrons, octet rule, and stability.	Explanation of valence electrons, octet rule, and stability.	Students complete valence number examples and number of "needed" electrons.	Students complete valence number examples and number of "needed" electrons.	d-block valence TOTD.
	 I can list valence numbers of s, p, and sometimes d block elements with nothing but my periodic table.						
							
Thursday	 I am learning about valence electrons and the octet rule.	Valence of s and p block elements question.	Teacher notes about Lewis structure.	Teacher and student collaboratively complete Lewis dot examples.	Students in pairs complete Lewis dot structures.	Students do Lewis dot structures alone.	Collect and check independent Lewis dot structures.
	 I can put valence electrons in Lewis dot structure format						
							
Friday	 I am learning about Lewis dot structures and relations to bonding.	Lewis dot question.	Teacher guided intro to POGIL.	Teacher guided intro to POGIL.	Student pairs or individual work on POGIL.	Student pairs or individual work on POGIL.	Check progress.
	 I can draw Lewis dot structures for any s and p element.						
	 I can explain how valence electrons relate to stability, instability.						

*key literacy strategies