

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

Teacher: Finnegan

Subject: Science

Course: AP Chem

Grade: 10

Date(s): 8/12-8/16

Standard: Unit 1: Atomic Structure and Properties.

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 atomic structure, stoichiometry, and isotopes.		Sci. Not. Question.	Teacher led note taking and examples.	Teacher led note taking and examples.	Student pairs or single work on examples.	Student pairs or single work on examples.	Check progress.
		I can draw models of Bohr atoms, isotopes, and ions.							
		I can read a mass spec.							
Tuesday		I am learning about atomic structure, stoichiometry, and isotopes.		Molar mass question.	Teacher led note taking and examples.	Teacher led note taking and examples.	Student pairs or single work on examples.	Student pairs or single work on examples.	Check accuracy of avg. atomic mass answer.
		I can calculate percent composition.							
		I can calculate average atomic mass from isotopic mass.							
Wednesday		I am learning about stoichiometry and dimensional analysis.		Specific atom numbers in given moles of a substance math question.	Long multi step dimensional analysis question from teacher.	Teacher guided, student led multistep stoich conversion.	White boarding session answering various stoichiometry questions.	White boarding session answering various stoichiometry questions.	Check answers.
		I can do multistep stoichiometry problems							
									
Thursday		I am learning about percent composition and compound complexes.		Isotope/ion notation question.	Teacher introduction to lab and possible safety hazards.	Teacher introduction to lab and possible safety hazards.	Students perform dehydration reaction.	Students perform dehydration reaction.	Check for reaction completion. Place samples in desicator.
		I can perform a dehydration reaction.							
									
Friday		I am learning about percent composition and compound complexes.		Percent composition question.	Teacher exemplar of percent composition calculation and percent error calculation.	Teacher exemplar of percent composition calculation and percent error calculation.	Students measure final product in groups.	Students do all math calculations individually.	Turn in final answers and post lab.
		I can calculate percent composition using data collected in lab.							
		I can calculate percent error based on my results.							

*key literacy strategies