

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

Teacher: Finnegan

Subject: Science



















Course: AP Chemistry

Grade: 10

Date(s): 11/12-11/5

Standard: Unit 3: Intermolecular forces and properties.

Assessment: ☐ Quiz ☐ Unit Test ☐ Project ☒ Lab ☐ None

		Pre-Teaching	Activation of Learning (5 min)	Focused Instruction (10 min) *I DO	Guided Instruction (10 min) *WE DO	Collaborative Learning (10 min) *Y'ALL DO	Independent Learning (10 min) *YOU DO	Closing (5 min)
		 Learning Target  Success Criteria 1  Success Criteria 2	<ul style="list-style-type: none"> Do Now Quick Write* Think/Pair/Share Polls Notice/Wonder Number Talks Engaging Video Open-Ended Question 	<ul style="list-style-type: none"> Think Aloud Visuals Demonstration Analogies* Worked Examples Nearpod Activity Mnemonic Devices* 	<ul style="list-style-type: none"> Socratic Seminar * Call/Response Probing Questions Graphic Organizer Nearpod Activity Digital Whiteboard 	<ul style="list-style-type: none"> Jigsaw* Discussions* Expert Groups Labs Stations Think/Pair/Share Create Visuals Gallery Walk 	<ul style="list-style-type: none"> Written Response* Digital Portfolio Presentation Canvas Assignment Choice Board Independent Project Portfolio 	<ul style="list-style-type: none"> Group Discussion Exit Ticket 3-2-1 Parking Lot Journaling* Nearpod
Monday			Holiday	Holiday	Holiday	Holiday	Holiday	Holiday
								
								
Tuesday		I am learning about spectrometry and Beer's law	Stoichiometry recall question.	Introduction to Beer's law.	Class discussion of transmittance, absorbance, and concentration.	Inquiry questions in groups regarding Beer's law.		Multistep stoichiometry question (mental math).
		I can describe light absorbance and transmission and their relation to solution concentration.						
								
Wednesday		I am learning about spectrometry and Beer's law	Concentration recall question.					
		I am learning about serial dilutions.						
		I am learning about Beer's law equation and how it can be used to calculate unknown concentrations.						
Thursday		I am learning about spectrometry and Beer's law.	Transmittance vs. absorbance question.	Review of lab procedure.	Showing how to create a solution with volumetric flask.	Students create serial dilutions of Copper Sulfate Pentahydrate and measure absorbance. Students measure unknown abs.	Students graph their data in excel.	Students solve for unknown conc. and check answer with teacher.
		I can create a standard curve to find an unknown.						
		I can find unknown concentration.						
Friday		I am learning about IMF's, ideal gases, and Beer's law.	MP based on Lewis structures question.		Break down as class of overall FRQ	Students work in groups of 2-3 on FRQ	Students given grading rubric and grade own work.	Classwide overview of question answer.
		I am demonstrating my knowledge of Unit 3 and my writing skills through a collaborative free response question.						
								

*key literacy strategies