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

Teacher: Grant **Subject:** Science **Course:** Physics **Grade:** _____ **Date(s):** 9/2-6/24

Standard: SP1. Obtain, evaluate, and communicate information about the relationship between distance, displacement, speed, velocity, and acceleration as functions of time
b. Analyze and interpret data using created or obtained motion graphs to illustrate the relationships among position, velocity, and acceleration, as functions of time

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		• 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			Labor Day Holiday- No School					
Tuesday		I am learning about position vs. time graphs I can observe motion and relate it to a graph.	Asynchronous Learning	Studnets complete Moving Man Phet activity with obesrvations of motion and graph created by the motion.				
Wednesday		I am learing about speed, velcoity, and graphing I can create a graph of motion showing speed and velocity I can explain the motion of an object using a position vs. time grap	Velocity problem solving practice problem	Graphing distance vs time, displacment vs time, meaning of slope	Sample graphs, describing motion, questioning graphs	See Thursdays activity	See Thursdays activity	Discuss relation to Buggy Lab Graphs
Thursday		I am learing about speed, velcoity, and graphing I can create a graph of motion showing speed and velocity I can explain the motion of an object using a position vs. time grap	Solving slope of position vs.time	Review graph features and details that describe motion, will use to complete activity		In pairs/3s, students complete matching activity and creation of their own graphs	Graphing WS and next steps/discovery of graph details	Share 1-2, student created graphs or recap results if full activity not completed
Friday		I am learning about motion graphs I can explain w features of graph that show accelerated motion		Accelerated motion with graphs, discuss features of graphs that show changes in velocity	Accelrations problems	Work problems together	Practice problem WS	Friday Final Thoughts for Week (Student Questions)

**key literacy strategies*