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

Teacher: ___Grant_____ **Subject: ____Science_____** **Course: ___Physics__** **Grade: _____** **Date(s): _October 21-25, 2024**

ALL RESOURSES AND WORK IS AVAILABLE IN CANVAS

Standard: SP1. Obtain, evaluate, and communicate information about the relationship between distance, displacement, speed, velocity, and acceleration as functions of time.

Analyze one-dimensional problems involving changes of direction, using algebraic signs to represent vector direction.

b. Analyze and interpret data using created or obtained motion graphs to illustrate the relationships among position, velocity, and acceleration, as functions of time.

c. Ask questions to compare and contrast scalar and vector quantities.

Assessment: ☐ **Quiz** X **Unit Test** ☐ **Project** ☐ **Lab** ☐ **None**

	Pre-Teaching Learning Target Success Criteria 1 Success Criteria 2	**Activation of Learning** *(5 min)* • Do Now • Quick Write* • Think/Pair/Share • Polls • Notice/Wonder • Number Talks • Engaging Video • Open-Ended Question	**Focused Instruction** *(10 min)* ***I DO*** • Think Aloud • Visuals • Demonstration • Analogies* • Worked Examples • Nearpod Activity • Mnemonic Devices*	**Guided Instruction** *(10 min)* ***WE DO*** • Socratic Seminar * • Call/Response • Probing Questions • Graphic Organizer • Nearpod Activity • Digital Whiteboard	**Collaborative Learning** *(10 min)* ***Y'ALL DO*** • Jigsaw* • Discussions* • Expert Groups • Labs • Stations • Think/Pair/Share • Create Visuals • Gallery Walk	**Independent Learning** *(10 min)* ***YOU DO*** • Written Response* • Digital Portfolio • Presentation • Canvas Assignment • Choice Board • Independent Project • Portfolio	**Closing** *(5 min)* • Group Discussion • Exit Ticket • 3-2-1 • Parking Lot • Journaling* • Nearpod
Monday	**I am learning about acceleration** I can explain acceleration, solve, problems, and analyze graphs	Free Fall video in vacuum – Discussion of falling items	Explanation/notes of free-fall motion of objects		Students work on Powerpoint presentations of acceleration motion – Create videos for slides	Import videos and explanation into slides	Share videos with class
Tuesday	**I am learning about acceleration**	Practice multiple choice questions 1-2	Show example problems worked	Work through example problems		Continue work on slides for presentation	Powerpoint progress check-list

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	I can explain acceleration, solve, problems, and analyze graphs ✅						
Wednesday	🎯 **I am learning about acceleration** ✅ I can explain acceleration, solve, problems, and analyze graphs ✅	Practice multiple choice questions 3-5		Creation of multiple choice question		Continue work on slides for presentation	Powerpoint progress check-list
Thursday	🎯 ✅ ✅		PSAT Testing – Hold in Homeroom				
Friday	🎯 **I am learning about acceleration** ✅ I can explain acceleration ✅		Test – Accelerated Motion				

**key literacy strategies*