Westside High School - Weekly Plan to Align Lessons (Week At a Glance)

Subject: Physics Date(s): 2/13-2/17

Standard: SP3. Obtain, evaluate, and communicate information about the importance of conservation laws for mechanical energy and linear momentum in predicting the behavior of physical systems.
a. Ask questions to compare and contrast open and closed systems.
b. Use mathematics and computational thinking to analyze, evaluate, and apply the principle of conservation of energy and the Work-Kinetic Energy Theorem.
• Calculate the kinetic energy of an object.
• Calculate the amount of work performed by a force on an object

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

	Learning Target (What)	Opening *(10 - 15 Mins)*	Work-Session *(20 - 25 mins)*	Closing *(5 - 10 mins)*	Criteria for Success (How)
		*(Include at least one/two Formatives*in any part of the lesson as needed)*			
Monday -	I can solve U and KE problems I can analyze data pertaining to U and KE	Gather supplies and check in on progress	Roller Coaster Day #8 – Students construct their towers	Complete daily journal and next steps	☐ Can I solve kinetic and potential energy problems? ☐ Can I follow procedure to safely collect data? ☐ Can I use data collected to solve for potential and kinetic energies? ☐ Can I explain the law of conservation of energy ☐ Can I explain the difference between fission and fusion? **Tool(s) for Criteria Success:**
Tuesday	I can explain the transformation from U to KE and back	Gather supplies and check in on progress	Roller Coaster Day #9 – Students complete construction their towers	Complete daily journal and next steps	
Wednesday -	I can distinguish between fission and fusion	Intro to nuclear energy discussion questions	Complete Fission Fusion Venn Diagram	Post and share Venn diagrams, look for commonalities	
Thursday	I can distinguish between fission and fusion	Pros and cons of fission and fusion	Roller Coaster Projects will be graded; students will work on one pagers or advertisement or fission or fusion as assigned	Display projects for final showing, discussion and problem solving	

Friday			Student Holiday		☐ Rubric ☒ Self-Assessment ☐ Checklist ☒ Peer Assessment ☒ Exemplars/Non-Exemplars ☐ Other: _____

*☒ Exit Ticket/Final Stretch Check ☒ Electronic Tools ☐ Dry Erase Boards – quick checks ☒ Turn & Talk Discussion (verbal responses) ☒ Teacher Observation – document Clipboard
☐ Quick Write/Draw ☒ Annotation ☐ Extended Writing ☐ Socratic Seminar ☐ Jigsaw ☐ Thinking Maps ☒ Worked Examples ☐ Other :_____