

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

Subject: Physics Date(s): 2/5 – 2/9

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 #2 – Students construct their towers	Complete daily journal and next steps	<input type="checkbox"/> Can I solve kinetic and potential energy problems? <input type="checkbox"/> Can I follow procedure to safely collect data? <input type="checkbox"/> Can I use data collected to solve for potential and kinetic energies? <input type="checkbox"/> Can I explain the law of conservation of energy Tool(s) for Criteria Success: <input type="checkbox"/> Rubric <input checked="" type="checkbox"/> Self-Assessment
Tuesday	I can explain the transformation from U to KE and back	Gather supplies and check in on progress	Roller Coaster Day #3 – Students can construct tract their towers	Complete daily journal and next steps	
Wednesday	I can solve U and KE problems I can analyze data pertaining to U and KE	Quick check questions	Review for test	Complete readiness survey	
Thursday	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 #4 – Students construct their towers	Complete daily journal and next steps	

Friday	I can solve U and KE problems I can analyze data pertaining to U and KE	Last minute Questions	Test - Energy	Work on Coaster	<input type="checkbox"/> Checklist <input checked="" type="checkbox"/> Peer Assessment <input checked="" type="checkbox"/> Exemplars/Non-Exemplars <input type="checkbox"/> Other: _____
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*☒ 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 : _____