Name: Kevin Woolridge		Grading Quarter: Q2	Week Beginning: W3
School Year: 2023		Subject: Conceptual Physics and Engineering	
Monday	Notes:	• **Objective**: Students will demonstrate their understanding of physics concepts of gravity, motion in two dimensions, Center of gravity, circular motion, and Satellite Motion as evidenced by completion of assigned questions from the text and the Gravity quiz with 80% accuracy. **Lesson Overview.** • **Gravity quiz review** • Gravity quiz • Trebuchet build lab time.	
Tuesday	Notes:	• **Objective**: Students will demonstrate their understanding of physics concepts of gravity, motion in two dimensions, Center of gravity, circular motion, and Satellite Motion as evidenced by completion of assigned questions from the text and the Gravity quiz with 80% accuracy. **Lesson Overview.** • Trebuchet prototype test day. • Trebuchet lab day to modify and improve prototype. • Trebuchet video/presentation, class time to work on trebuchet presentation.	Essential HS.P3U1.6 Collect, analyze, and interpret data regarding the change in motion of an object or system in one dimension, to construct an explanation using Newton's Laws. HS-PS3-3 Design, build, and refine a device that works within given constraints to convert one form of energy into another form of energy.
Wednesday	Notes:	• **Objective**: Students will demonstrate their understanding of physics concepts of gravity, motion in two dimensions, Center of gravity, circular motion, and Satellite Motion as evidenced by completion of assigned questions from the text and the Gravity quiz with 80% accuracy. **Lesson Overview.** • Trebuchet day. • Students will build sand castle and launch at it to knock it down. • Trebuchet video/presentation, class time to work on trebuchet presentation.	Essential HS.P3U1.6 Collect, analyze, and interpret data regarding the change in motion of an object or system in one dimension, to construct an explanation using Newton's Laws. HS-PS3-3 Design, build, and refine a device that works within given constraints to convert one form of energy into another form of energy.

Thursday	Notes:	• **Objective**: Students will demonstrate understanding of physics concepts of conservation of energy, and simple machines as evidenced by completion of labs, and building a Rub Goldberg machine capable of transferring kinetic input through all 5 simple machines and transferring kinetic energy to a neighboring machine. **Lesson Overview.** • Lesson, power point presentation, simple machines. • Levar lab	Essential HS.P3U1.6 Collect, analyze, and interpret data regarding the change in motion of an object or system in one dimension, to construct an explanation using Newton's Laws. HS-PS3-3 Design, build, and refine a device that works within given constraints to convert one form of energy into another form of energy.
Friday	Notes:	• **Objective**: Students will demonstrate understanding of physics concepts of conservation of energy, and simple machines as evidenced by completion of labs, and building a Rub Goldberg machine capable of transferring kinetic input through all 5 simple machines and transferring kinetic energy to a neighboring machine. **Lesson Overview.** • Lesson, power point presentation, simple machines. • pulley lab	Essential HS.P3U1.6 Collect, analyze, and interpret data regarding the change in motion of an object or system in one dimension, to construct an explanation using Newton's Laws. HS-PS3-3 Design, build, and refine a device that works within given constraints to convert one form of energy into another form of energy.