Name:			Grading Quarter:		Week Beginning:	
Kevin Woolridge School Year: 2023			Q2 W14 Subject: Conceptual Physics and Engineering			
Monday	Notes:	physics co machines building a kinetic inp transferrir Lesson Overview. Lesson, po Explore mand development	Students will demonstrate understanding of necepts of conservation of energy, and simple as evidenced by completion of labs, and Rub Goldberg machine capable of transferring at through all 5 simple machines and g kinetic energy to a neighboring machine. Wer point presentation, simple machines. echanical advantage of wheel and axle systems op mathematical model for solving problems work and power. I axle 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.			
Tuesday	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. Explore mechanical advantages of pulley systems and develop mathematical model for solving problems involving work and power. Wheel and axle 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.	
Wednesday	Notes:	physics co machines building a kinetic inp transferrir Lesson Overview. • Lesson, po • Introduce except kin	Students will demonstration of conservation of as evidenced by complet Rub Goldberg machine of the through all 5 simple may kinetic energy to a neign ower point presentation, and Rube Goldberg project, Fetic input from the prior ll 5 simple machines to the	f energy, and simple ion of labs, and apable of transferring achines and ghboring machine. Simple machines. Rube Goldberg must machine and transfer	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. Introduce Rube Goldberg project, Rube Goldberg must except kinetic input from the prior machine and transfer through all 5 simple machines to the next device. Lab day 	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. Introduce Rube Goldberg project, Rube Goldberg must except kinetic input from the prior machine and transfer through all 5 simple machines to the next device. Prototype Test day. 	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.