Name: Kevin Woolridge			Grading Quarter: Q1		Week Beginning: W9	
School Year: 2023			Subject: Conceptual Physics and Engineering			
Monday	Notes:	of Project dimenson as evidenc capable or accuratly site. Lesson Overview: Introduce Power poi Hewitt vic explained gravitation the planet	E Students will demonstra ile motion including conce s, gravity, circular motion ced by successfully buildir f launching a projectile a r hiting a target lees than 6 Mousetrap car lab and L projectile motion/trebuc int and lecture Gravity1. leo - Gravity I: The inverse and then related to the la n. Weight and weightless ts Neptune and Pluto, and n are also discussed. assigned readings and qu	epts of motion in two , and Satellite Motion ag a trenbuchet mnimum of 40 ft and 0 ft from the launch ab time/build day. hert project e-square law is aw of universal ness, the discoveries of I the universality of	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:	of Project dimenson as evidend capable of accuratly site. Lesson Overview: Introduce Power poi Hewitt vic continues atmosphe the earth, an oscillat	: Students will demonstra ile motion including conce s, gravity, circular motion ced by successfully buildir f launching a projectile a r hiting a target lees than 6 Mousetrap car lab and L projectile motion/trebuc int and lecture Gravity1. leo - Gravity 2: The discus with the emphasis on occ ric tides. Other topics incl black holes, the big bang ing universe. Complete readings and questions fr	epts of motion in two , and Satellite Motion ag a trenbuchet mnimum of 40 ft and 0 ft from the launch ab time/build day. hert project ssion of gravitation ean, earth, and lude tunnels through , and speculations of	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.	

	Notes:		Essential HS.P3U1.6
Wednesday		 Objective: Students will demonstrate their understanding of Projectile motion including concepts of motion in two dimensons, gravity, circular motion, and Satellite Motion as evidenced by successfully building a trenbuchet capable of launching a projectile a mnimum of 40 ft and accuratly hiting a target lees than 60 ft from the launch site. Lesson Overview: Mousetrap car lab and Lab time/build day. Introduce projectile motion/trebuchert project Power point and lecture Gravity1. Hewitt video – Center of gravity I: The concepts of torque, center of gravity, and center of mass are applied to balancing. Demonstrations include finding the center of gravity of irregularly-shaped objects, a weighted disk that rolls uphill, and a seesaw. Complete assigned readings and questions from the text, chapter 8. 	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 their understanding of Projectile motion including concepts of motion in two dimensons, gravity, circular motion, and Satellite Motion as evidenced by successfully building a trenbuchet capable of launching a projectile a mnimum of 40 ft and accuratly hiting a target lees than 60 ft from the launch site. Lesson Overview: Continue with projectile motion/trebuchert physics concepts Power point and lecture Gravity1. Rotation: The concept of rotational inertia is developed from a variety of everyday examples and demonstrations Hewitt video using weighted objects, and rolling cans filled with both liquids and solids. A rotating turntable demonstrate angular momentum. Complete assigned readings and questions from the text, chapter 8. 	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 their understanding of physics concepts of gravity, motion in two dimensons, Center of gravity, circular motion, and Satellite Motion as evidenced by completion of assigned qauestions from the text and the Gravity quiz with 80% accuracy. Lesson Overview. Hewitt video Satellite Motion: The concept of simple projectile motion is extended to include satellite motionfirst circular, and then, elliptical. After a discussion of escape speed, the tape concludes with a summary of previously learned concepts in mechanics. Continue with projectile motion/trebuchert physics concepts. Power point and lecture Gravity review Quiz Gravity 	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.