Name:			Grading Quarter:		Beginning:	
Kevin Woolridge			Q1		W8	
School Year: 2023			Subject: Conceptual Physics and Engin		eering	
Monday	Notes:	of the charconcepts of or system building ar meters. Lesson Overview: Brainstorm small grou Independe Students w Cars and n on race da Students w track and t	ent build and testing time will be able to test their penake modifications as new y.	v including concepts of celeration of an object denced by successfully r for a minimum of 5 vrototype test day project ideas with e during class. rototype mousetrapeded to be successful Mousetrap car race	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.	
Tuesday	Notes:	Objective: of the charconcepts of or system building armeters. Lesson Overview: Students varace in the Students varack and the Students	Students will demonstrated and energy of speed, velocity, and accin one dimension, as eviced and racing a mousetrap cathogonal compete 8 in the Mouvill be given 3 attempts to e fastest time.	te their understanding including concepts of celeration of an object denced by successfully r for a minimum of 5 setrap car race. Co complete the 5 Meter Mousetrap car race	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.	
Wednesday	Notes:	of Projecti dimensons as evidence capable of accuratly h site. Lesson Overview: Introduce Power poi Hewitt vid explained gravitation the planet gravitation	Students will demonstrate le motion including concests, gravity, circular motion red by successfully building launching a projectile and thing a target lees than 6 mousetrap car lab and L projectile motion/trebucent and lecture Gravity1. The inverse and then related to the late. Weight and weightless is Neptune and Pluto, and hare also discussed. assigned readings and question.	epts of motion in two, and Satellite Motion of 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 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.	

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: Mousetrap car lab and Lab time/build day. Continue with projectile motion/trebuchert physics concepts Power point and lecture Gravity1. Hewitt video - Gravity II: The discussion of gravitation continues with the emphasis on ocean, earth, and atmospheric tides. Other topics include tunnels through the earth, black holes, the big bang, and speculations of an oscillating universe. 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.
Friday	Notes:	 Objective: Students will demonstrate their understanding of physics concepts of gravity as evidenced by completion of assigned qauestions from the text and the Gravity quiz with 80% accuracy. Lesson Overview: Mousetrap car lab and Lab time/build day. 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.