

Name: Kevin Woolridge		Grading Quarter: Q2	Week Beginning: W2
School Year: 2023		Subject: Conceptual Physics and Engineering	
Monday	Notes:	<ul style="list-style-type: none"> • Objective: Students will demonstrate their understanding of physics concepts of <u>gravity</u>, 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. <p>Lesson Overview.</p> <ul style="list-style-type: none"> • Hewitt video Gravity 1: The concept of simple projectile motion is extended to include satellite motion- first 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/trebuchet physics concepts. • Trebuchet build lab time. 	
Tuesday	Notes:	<ul style="list-style-type: none"> • Objective: Students will demonstrate their understanding of physics concepts of <u>gravity</u>, 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. <p>Lesson Overview.</p> <ul style="list-style-type: none"> • Hewitt video Gravity 2: 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. • Continue with projectile motion/trebuchet physics concepts. • Trebuchet build lab time. 	<p>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.</p> <p>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.</p>
Wednesday	Notes:	<ul style="list-style-type: none"> • Objective: Students will demonstrate their understanding of physics concepts of <u>gravity</u>, 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. <p>Lesson Overview.</p> <ul style="list-style-type: none"> • Gravity quiz review • Gravity quiz • Trebuchet build lab time. 	<p>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.</p> <p>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.</p>

Thursday	Notes:	<ul style="list-style-type: none"> • Objective: Students will demonstrate their understanding of physics concepts of <u>gravity</u>, 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. <p>Lesson Overview.</p> <ul style="list-style-type: none"> • Trebuchet prototype test day. • Trebuchet lab day to modify and improve prototype. • Trebuchet video/presentation, class time to work on trebuchet presentation. 	<p>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.</p> <p>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.</p>
Friday	Notes:	<ul style="list-style-type: none"> • Objective: Students will demonstrate their understanding of physics concepts of <u>gravity</u>, 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. <p>Lesson Overview.</p> <ul style="list-style-type: none"> • 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. 	<p>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.</p> <p>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.</p>