

Name: Kevin Woolridge		Grading Quarter: Q1	Week Beginning: W5
School Year: 2023		Subject: Conceptual Physics and Engineering	
Monday	Notes: Teachers only	Objective: Students will demonstrate their understanding of, Newton's second law of motion including the concepts of Force Causes Acceleration, Friction, Mass and Weight, Free Fall and Nonfree Fall, as evidenced by the completion of selected problems from the text and end of unit quiz with 80% accuracy. - Students are asked to read Chapter 4, linear motion - Newton's second law of Motion in conceptual physics. - Completion of assigned problems from the text.	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: Students will demonstrate their understanding of, Newton's second law of motion including the concepts of Force Causes Acceleration, Friction, Mass and Weight, Free Fall and Nonfree Fall, as evidenced by the completion of selected problems from the text and end of unit quiz with 80% accuracy. - Students are asked to read Chapter 4, linear motion - Newton's second law of Motion in conceptual physics. - Completion of assigned problems from the text. Video Newton's 2nd Law: The relationship of force, acceleration, and mass is illustrated with a variety of examples. The effects of friction on motion are shown using both sliding and falling objects.	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:	Objective: Students will demonstrate their understanding of Newton's third law of motion including the concepts of, Forces and Interactions, and Vectors as evidenced by the completion of selected problems from the text and end of unit quiz with 80% accuracy. - Students are asked to read Chapter 5, linear motion - Newton's second law of Motion in conceptual physics. - Completion of assigned problems from the text.	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: Student will demonstrate their understanding of Newton's laws as evidenced by the completion of selected problems from the text chapters 3-5 and end of unit quiz with 80% accuracy. - Review of Newton's laws, chapters 3-5. Video Newton's 3rd Law: The notion that a force is a push or a pull is developed. The concept that forces always occur in pairs as interactions between one thing and another is supported with numerous examples, including a tug-of-war.	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, Newtons laws, as evidenced by the successful completion of an egg drop project and the successful testing at 3 separate heights as defined by the project description and constraints. • Unit Quiz • Project assignment Egg Drop	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.
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