Grade 9, 10
Distance Learning Module 6: Week of: May 11th -May 15th

Conceptual Physics - *Modified from Unit #1: Forces and Motion*

Targeted Goals from Stage 1: Desired Results

Content Knowledge:

- Velocity is the change in position with respect to time
- Newton's second law accurately predicts changes in the motion of macroscopic objects.
- A free body diagram (FBD) is used to graphically depict the forces on an object and to predict its motion

Vocabulary: mass weight, Newton's Laws, density, force, net force, velocity, acceleration, friction, balanced forces, unbalanced forces, buoyancy, free body diagram, constant velocity,

Skills: Solving motion problems using mathematical computations

Graphs are used by scientists to communicate information and to interpret the relationship between physical variables
Expectation

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
Monday: Students will review friction forces and how they affect the movement of or lack of movement in objects with inertia	5.1 Friction Concept-Development Practice Page	Complete and submit via Google Classroom
Tuesday: Students will be able to demonstrate their understanding of forces and practice their skills in calculating the solution to	Unit 1 Part 1: Forces Review Guide Forces Edulastic Check-In Study Guide Assessment	Completion and Submission of the Edulastic Check-In Assessment

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
mathematical problems using physics formulas		
Wednesday: Students will review their submitted Forces Check-in Study guide assessment and check answers	Forces Edulastic Check-In Study Guide Assessment Answers Review correct/incorrect answers for content and analysis	Post Forces Unit Assessment Student Survey
Thursday: Students will be able to measure and calculate the velocity of a marble rolling on the floor and consider variables which affect changes in velocity.	Constant Velocity Motion Lab Intro Video Constant Velocity Motion Lab	Complete Constant Velocity Calculations and Line Graph (submit all of these with the lab tomorrow)
Friday: Students will be able to measure and calculate the velocity of a marble rolling on the floor and consider variables which affect changes in velocity.	Continue working on Constant Velocity Motion Lab	Submit completed Constant Velocity Motion Lab, calculations, and graph to Google Classroom

Week criteria for success (attach student checklists or rubrics):

Students will submit all work to Google classroom and work will demonstrate effort and completeness

Student work submissions will contain at least a 75% level of content proficiency

Student will achieve at least a 75% on the Force Check-in Study Guide Edulastic assessment

Supportive resources and tutorials for the week (plans for re-teaching):

Physical Science Concepts in Action Glossary

Unit 1 Part 1: Forces Review Guide

Physical Science Concepts in Action Chapter 11 Motion

Unit 1 Part 2 Motion Review Guide

Physical Science Concepts in Action Chapter 12 Forces