Force, Mass, & The Motion of Objects Assessments

Proficiency Sheet – Ms. Dennis 8th Grade Physical Science Spring 2023

Topic Quiz	*Learning Target*	*1st Attempt Assessment Score*	*2nd Attempt Assessment Score*	*3rd Attempt Assessment Score*
Kinetic & Potential Energy Pretest	I can analyze and interpret data to create graphical displays that illustrate the relationships of kinetic energy to mass and speed and potential energy to mass and height of an object.			
Kinetic & Potential Energy Post test	I can analyze and interpret data to create graphical displays that illustrate the relationships of kinetic energy to mass and speed and potential energy to mass and height of an object.			
Energy Transformations Pretest	I can explain energy transformations within a system.			
Energy Transformations Post test	I can explain energy transformations within a system.			
Thermal Energy Pretest	I can describe and explain thermal energy changes in terms of conduction, convection, and radiation.			
Thermal Energy Post test	I can describe and explain thermal energy changes in terms of conduction, convection, and radiation.			
Speed Pretest	I can analyze and interpret data to identify patterns in the relationship between speed and distance.			
Speed Post test	I can analyze and interpret data to identify patterns in the relationship between speed and distance.			
Acceleration Pretest	I can analyze and interpret data to identify patterns in the relationship between velocity and acceleration.			

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Acceleration Post test	I can analyze and interpret data to identify patterns in the relationship between velocity and acceleration.			
Newton's 1st Law Pretest	I can construct an explanation using Newton's Laws of Motion to describe the effects of balanced and unbalanced forces on the motion of an object.			
Newton's 1st Law Post test	I can construct an explanation using Newton's Laws of Motion to describe the effects of balanced and unbalanced forces on the motion of an object.			
Newton's 2nd Law Pretest	I can construct an explanation using Newton's Laws of Motion to describe the effects of balanced and unbalanced forces on the motion of an object.			
Newton's 2nd Law Post test	I can construct an explanation using Newton's Laws of Motion to describe the effects of balanced and unbalanced forces on the motion of an object.			
Newton's 3rd Law Pretest	I can construct an explanation using Newton's Laws of Motion to describe the effects of balanced and unbalanced forces on the motion of an object.			
Newton's 3rd Law Post test	I can construct an explanation using Newton's Laws of Motion to describe the effects of balanced and unbalanced forces on the motion of an object.			
Speed, Acceleration, & Newton's Laws Unit Assessment				

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