

## **Force, Mass, & The Motion of Objects Assessments**

### **Proficiency Sheet – Ms. Dennis 8<sup>th</sup> Grade Physical Science Spring 2023**

<b>Topic Quiz</b>	<b>Learning Target</b>	<b>1<sup>st</sup> Attempt Assessment Score</b>	<b>2<sup>nd</sup> Attempt Assessment Score</b>	<b>3<sup>rd</sup> Attempt Assessment Score</b>
<b>Kinetic &amp; Potential Energy Pretest</b>	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.			
<b>Kinetic &amp; Potential Energy Post test</b>	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.			
<b>Energy Transformations Pretest</b>	I can explain energy transformations within a system.			
<b>Energy Transformations Post test</b>	I can explain energy transformations within a system.			
<b>Thermal Energy Pretest</b>	I can describe and explain thermal energy changes in terms of conduction, convection, and radiation.			
<b>Thermal Energy Post test</b>	I can describe and explain thermal energy changes in terms of conduction, convection, and radiation.			
<b>Speed Pretest</b>	I can analyze and interpret data to identify patterns in the relationship between speed and distance.			
<b>Speed Post test</b>	I can analyze and interpret data to identify patterns in the relationship between speed and distance.			
<b>Acceleration Pretest</b>	I can analyze and interpret data to identify patterns in the relationship between velocity and acceleration.			

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<b>Acceleration Post test</b>	I can analyze and interpret data to identify patterns in the relationship between velocity and acceleration.			
<b>Newton's 1<sup>st</sup> Law Pretest</b>	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.			
<b>Newton's 1<sup>st</sup> Law Post test</b>	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.			
<b>Newton's 2<sup>nd</sup> Law Pretest</b>	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.			
<b>Newton's 2<sup>nd</sup> Law Post test</b>	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.			
<b>Newton's 3<sup>rd</sup> Law Pretest</b>	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.			
<b>Newton's 3<sup>rd</sup> Law Post test</b>	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.			
<b>Speed, Acceleration, &amp; Newton's Laws Unit Assessment</b>				