

NGSS	
PS2-1	Motion and Stability: Forces and Interactions Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces on the motion of an object.
PS2-3	Motion and Stability: Forces and Interactions Make observations and/or measurements of an object’s motion to provide evidence that a pattern can be used to predict future motion.
PS1-4	Structure and Properties of Matter Develop a model that predicts and describes changes in particle motion, temperature, and state of a pure substance when temperature is removed.
PS2-3,5	Forces and Interactions Ask questions about data to determine the factors that affect the strength of electric and magnetic forces.
PS-4	Waves and Electromagnetic Radiation Develop and use a model to show that waves are reflected, transmitted, or absorbed through various materials
MS-ESS1-3	Space Systems Analyze and interpret data to determine scale properties of objects in the solar system
PS3-1	Motion and Stability: Forces and Interactions Apply scientific and engineering ideas to design, evaluate, and refine a device that minimizes the force on a macroscopic object during a collision.
	Motion and Stability: Forces and Interactions Analyze data to support the claim that Newton’s second law of motion describes the mathematical relationship among the net force on a macroscopic object, its mass, and its acceleration.
CCSS	Operations and Algebraic Thinking
	Measurement and Data