

Flight-Testing Newton's Laws

2006 Science

Grade Level and Grade Span Expectations

Rhode Island Science

Grades 9-11

Activity/Lesson

State

Standards

Session-10 (1-5)	RI	SCI.9-11.PS3 (9-11)-8b	Students demonstrate understanding of forces and motion by using modeling, illustrating, graphing explain how distance and velocity change over time for a free falling object.
Session-10 (1-5)	RI	SCI.9-11.PS3 (9-11)-9b	Students demonstrate understanding of forces and motion by using Newton's Laws of Motion and the Law of Conservation of Momentum to predict the effect on the motion of objects.
Session-1 (1-17)	RI	SCI.9-11.PS3 (9-11)-8b	Students demonstrate understanding of forces and motion by using modeling, illustrating, graphing explain how distance and velocity change over time for a free falling object.
Session-1 (1-17)	RI	SCI.9-11.PS3 (9-11)-9b	Students demonstrate understanding of forces and motion by using Newton's Laws of Motion and the Law of Conservation of Momentum to predict the effect on the motion of objects.
Session-2 (1-10)	RI	SCI.9-11.PS3 (9-11)-9b	Students demonstrate understanding of forces and motion by using Newton's Laws of Motion and the Law of Conservation of Momentum to predict the effect on the motion of objects.
Session-3 (1-6)	RI	SCI.9-11.PS3 (9-11)-8b	Students demonstrate understanding of forces and motion by using modeling, illustrating, graphing explain how distance and velocity change over time for a free falling object.
Session-3 (1-6)	RI	SCI.9-11.PS3 (9-11)-9b	Students demonstrate understanding of forces and motion by using Newton's Laws of Motion and the Law of Conservation of Momentum to predict the effect on the motion of objects.
Session-5 (1-6)	RI	SCI.9-11.PS3 (9-11)-9b	Students demonstrate understanding of forces and motion by using Newton's Laws of Motion and the Law of Conservation of Momentum to predict the effect on the motion of objects.
Session-6 (1-8)	RI	SCI.9-11.PS3 (9-11)-9b	Students demonstrate understanding of forces and motion by using Newton's Laws of Motion and the Law of Conservation of Momentum to predict the effect on the motion of objects.
Session-7 (1-5)	RI	SCI.9-11.PS3 (9-11)-8b	Students demonstrate understanding of forces and motion by using modeling, illustrating, graphing explain how distance and velocity change over time for a free falling object.
Session-7 (1-5)	RI	SCI.9-11.PS3 (9-11)-9b	Students demonstrate understanding of forces and motion by using Newton's Laws of Motion and the Law of Conservation of Momentum to predict the effect on the motion of objects.

Session-8 (1-9)	RI	SCI.9-11.PS3 (9-11)-8b	Students demonstrate understanding of forces and motion by using modeling, illustrating, graphing explain how distance and velocity change over time for a free falling object.
Session-8 (1-9)	RI	SCI.9-11.PS3 (9-11)-9b	Students demonstrate understanding of forces and motion by using Newton's Laws of Motion and the Law of Conservation of Momentum to predict the effect on the motion of objects.
Session-9 (1-7)	RI	SCI.9-11.PS3 (9-11)-8b	Students demonstrate understanding of forces and motion by using modeling, illustrating, graphing explain how distance and velocity change over time for a free falling object.
Session-9 (1-7)	RI	SCI.9-11.PS3 (9-11)-9b	Students demonstrate understanding of forces and motion by using Newton's Laws of Motion and the Law of Conservation of Momentum to predict the effect on the motion of objects.