

Adventures in Aeronautics			
2006 Science			
Grade Level and Grade Span Expectations			
Rhode Island Science			
Grades 3-4			
Activity/Lesson	State	Standards	
Adventures in Aeronautics	RI	SCI.3-4.ESS1 (3-4)–1a	Describing, comparing, and sorting rocks, soils, and minerals by similar or different physical properties (e.g., size, shape, color, texture, smell, weight, temperature, hardness, composition).
Adventures in Aeronautics	RI	SCI.3-4.PS1 (3-4)–1a	Identifying, comparing, and sorting objects by similar or different physical properties (e.g., size, shape, color, texture, smell, weight, temperature, flexibility).
Adventures in Aeronautics	RI	SCI.3-4.PS1 (3-4)–3a	Measuring the weight of objects to prove that all matter has weight.
Adventures in Aeronautics	RI	SCI.3-4.PS3 (3-4)–7a	Predicting the direction and describing the motion of objects (of different weights, shapes, sizes, etc.) if a force is applied to it.
Adventures in Aeronautics	RI	SCI.3-4.PS1 (3-4)–3b	Using measures of weight to prove that the whole equals the sum of its parts.
Adventures in Aeronautics	RI	SCI.3-4.PS1 (3-4)–3c	Showing that the weight of an object remains the same despite a change in its shape.
Adventures in Aeronautics	RI	SCI.3-4.PS3 (3-4)–7c	Investigating and describing that different amounts of force can change direction/speed of an object in motion.
Adventures in Aeronautics			
2006 Science			
Grade Level and Grade Span Expectations			
Rhode Island Science			
Grades 5-6			
Activity/Lesson	State	Standards	
Adventures in Aeronautics	RI	SCI.5-6.PS3 (5-6)–8b	Recognize that a force is a push or a pull.
Adventures in Aeronautics	RI	SCI.5-6.PS3 (5-6)–8c	Explain that changes in speed or direction of motion are caused by forces.
Adventures in Aeronautics	RI	SCI.5-6.PS3 (5-6)–8d	Show that electric currents and magnets can exert a force on each other.