

<b>Adventures in Aeronautics</b>			
<b>2008 Science</b>			
<b>Next Generation Sunshine State Standards</b>			
<b>Florida Science</b>			
<b>Grade 3</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Adventures in Aeronautics	FL	SCI.3.SC.3.E.5.4	Explore the Law of Gravity by demonstrating that gravity is a force that can be overcome.
Adventures in Aeronautics	FL	SCI.3.SC.3.P.8.B	Objects and substances can be classified by their physical and chemical properties. Mass is the amount of matter (or "stuff") in an object. Weight, on the other hand, is the measure of force of attraction (gravitational force) between an object and Earth.
<b>Adventures in Aeronautics</b>			
<b>2008 Science</b>			
<b>Next Generation Sunshine State Standards</b>			
<b>Florida Science</b>			
<b>Grade 4</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Adventures in Aeronautics	FL	SCI.4.SC.4.E.5.5	Investigate and report the effects of space research and exploration on the economy and culture of Florida.
Adventures in Aeronautics	FL	SCI.4.SC.4.P.8.B	Objects and substances can be classified by their physical and chemical properties. Mass is the amount of matter (or "stuff") in an object. Weight, on the other hand, is the measure of force of attraction (gravitational force) between an object and Earth.
Adventures in Aeronautics	FL	SCI.4.SC.4.P.12.B	The motion of objects can be changed by forces.
Adventures in Aeronautics	FL	SCI.4.SC.4.P.12.2	Investigate and describe that the speed of an object is determined by the distance it travels in a unit of time and that objects can move at different speeds.
<b>Adventures in Aeronautics</b>			
<b>2008 Science</b>			
<b>Next Generation Sunshine State Standards</b>			
<b>Florida Science</b>			
<b>Grade 5</b>			
<b>Activity/Lesson</b>	<b>State</b>	<b>Standards</b>	
Adventures in Aeronautics	FL	SCI.5.SC.5.P.8.B	Objects and substances can be classified by their physical and chemical properties. Mass is the amount of matter (or "stuff") in an object. Weight, on the other hand, is the measure of force of attraction (gravitational force) between an object and Earth.
Adventures in Aeronautics	FL	SCI.5.SC.5.P.13.B	Energy change is understood in terms of forces--pushes or pulls.

Adventures in Aeronautics	FL	SCI.5.SC.5.P.13 .C	Some forces act through physical contact, while others act at a distance.
Adventures in Aeronautics	FL	SCI.5.SC.5.P.13 .1	Identify familiar forces that cause objects to move, such as pushes or pulls, including gravity acting on falling objects.
Adventures in Aeronautics	FL	SCI.5.SC.5.P.13 .2	Investigate and describe that the greater the force applied to it, the greater the change in motion of a given object.
Adventures in Aeronautics	FL	SCI.5.SC.5.P.13 .3	Investigate and describe that the more mass an object has, the less effect a given force will have on the object's motion.
Adventures in Aeronautics	FL	SCI.5.SC.5.P.13 .4	Investigate and explain that when a force is applied to an object but it does not move, it is because another opposing force is being applied by something in the environment so that the forces are balanced.