

Smart Skies			
2008 Science			
Next Generation Sunshine State Standards			
Florida Science			
Grade 5			
Activity/Lesson	State	Standards	
Fly by Math	FL	SCI.5.SC.5.N.1. A	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation.
Fly by Math	FL	SCI.5.SC.5.N.1. 1	Define a problem, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types such as: systematic observations, experiments requiring the identification of variables, collecting and organizing data, interpreting data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.
Fly by Math	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.
Line Up with Math	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.
Smart Skies			
2008 Science			
Next Generation Sunshine State Standards			
Florida Science			
Grade 6			
Activity/Lesson	State	Standards	
Fly by Math	FL	SCI.6.SC.6.N.1. A	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation.
Fly by Math	FL	SCI.6.SC.6.P.12 .B	The motion of objects can be changed by forces.
Fly by Math	FL	SCI.6.SC.6.P.12 .1	Measure and graph distance versus time for an object moving at a constant speed. Interpret this relationship.
Fly by Math	FL	SCI.6.SC.6.P.13 .3	Investigate and describe that an unbalanced force acting on an object changes its speed, or direction of motion, or both.
Line Up with Math	FL	SCI.6.SC.6.P.12 .B	The motion of objects can be changed by forces.

Line Up with Math	FL	SCI.6.SC.6.P.12 .1	Measure and graph distance versus time for an object moving at a constant speed. Interpret this relationship.
Smart Skies			
2008 Science			
Next Generation Sunshine State Standards			
Florida Science			
Grade 7			
Activity/Lesson	State	Standards	
Fly by Math	FL	SCI.7.SC.7.N.1. A	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation.
Fly by Math	FL	SCI.7.SC.7.N.1. 1	Define a problem from the seventh grade curriculum, use appropriate reference materials to support scientific understanding, plan and carry out scientific investigation of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.
Smart Skies			
2008 Science			
Next Generation Sunshine State Standards			
Florida Science			
Grade 8			
Activity/Lesson	State	Standards	
Fly by Math	FL	SCI.8.SC.8.N.1. A	Scientific inquiry is a multifaceted activity; The processes of science include the formulation of scientifically investigable questions, construction of investigations into those questions, the collection of appropriate data, the evaluation of the meaning of those data, and the communication of this evaluation.
Fly by Math	FL	SCI.8.SC.8.N.1. 1	Define a problem from the eighth grade curriculum using appropriate reference materials to support scientific understanding, plan and carry out scientific investigations of various types, such as systematic observations or experiments, identify variables, collect and organize data, interpret data in charts, tables, and graphics, analyze information, make predictions, and defend conclusions.

Fly by Math	FL	SCI.8.SC.8.N.1. 6	Understand that scientific investigations involve the collection of relevant empirical evidence, the use of logical reasoning, and the application of imagination in devising hypotheses, predictions, explanations and models to make sense of the collected evidence.
Smart Skies			
2008 Science			
Next Generation Sunshine State Standards			
Florida Science			
Grades 9-12 (Physical Science Body of Knowledge)			
Activity/Lesson	State	Standards	
Fly by Math	FL	SCI.9-12.SC.912.P.12.A	Motion can be measured and described qualitatively and quantitatively. Net forces create a change in motion. When objects travel at speeds comparable to the speed of light, Einstein's special theory of relativity applies.
Fly by Math	FL	SCI.9-12.SC.912.P.12.2	Analyze the motion of an object in terms of its position, velocity, and acceleration (with respect to a frame of reference) as functions of time.
Line Up with Math	FL	SCI.9-12.SC.912.P.12.A	Motion can be measured and described qualitatively and quantitatively. Net forces create a change in motion. When objects travel at speeds comparable to the speed of light, Einstein's special theory of relativity applies.
Line Up with Math	FL	SCI.9-12.SC.912.P.12.3	Interpret and apply Newton's three laws of motion.