Smart Skies			
2005 Science			
Course of Study			
Alabama Science			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Fly by Math	AL	SCI.5.6.3	Explaining how air resistance affects falling objects
Line Up with Math	AL	SCI.5.6.3	Explaining how air resistance affects falling objects
Smart Skies			
2005 Science			
Course of Study			
Alabama Science			
Grade 8			
Activity/Lesson	**State**	**Standards**	
Fly by Math	AL	SCI.8.1.1	Applying process skills to interpret data from graphs, tables, and charts
Fly by Math	AL	SCI.8.8.1	Defining terminology such as action and reaction forces, inertia, acceleration, momentum, and friction
Fly by Math	AL	SCI.8.8.2	Interpreting distance–time graphs
Smart Skies			
2005 Science			
Course of Study			
Alabama Science			
Grades 9-12 (Physical Science Core)			
Activity/Lesson	**State**	**Standards**	
Fly by Math	AL	SCI.9-12.PS.7.1	Interpreting graphic representations of velocity versus time and distance versus time
Fly by Math	AL	SCI.9-12.PS.7.2	Solving problems for velocity, acceleration, force, work, and power
Fly by Math	AL	SCI.9-12.PS.7.3	Describing action and reaction forces, inertia, acceleration, momentum, and friction in terms of Newton's three laws of motion
Fly by Math	AL	SCI.9-12.PS.12	Identify metric units for mass, distance, time, temperature, velocity, acceleration, density, force, energy, and power.
Smart Skies			
2005 Science			
Course of Study			
Alabama Science			
Grades 9-12 (Physics Core)			
Activity/Lesson	**State**	**Standards**	
Fly by Math	AL	SCI.9-12.PH.1.1	Explaining the significance of slope and area under a curve when graphing distance-time or velocity-time data
Fly by Math	AL	SCI.9-12.PH.4	Describe quantitative relationships for velocity, acceleration, force, work, power, potential energy, and kinetic energy.