Smart Skies			
2006 Science			
Content and Achievement Standards			
North Dakota Science			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Fly by Math	ND	SCI.5.5.2.2	Formulate an explanation supported by data
Fly by Math	ND	SCI.5.5.3.4	Identify the effects force and mass have on the motion of an object
Fly by Math	ND	SCI.5.5.3.5	Explain why gravity is called an attracting force.

Smart Skies			
2006 Science			
Content and Achievement Standards			
North Dakota Science			
Grade 6			
Activity/Lesson	**State**	**Standards**	
Fly by Math	ND	SCI.6.6.2.1	Explain the components of a scientific investigation (e.g., hypothesis, observation, data collection, data interpretation, communication of results, replicable)
Fly by Math	ND	SCI.6.6.2.3	Identify biases that may affect data collection and analysis (e.g., gender, race, religion, economic, generational.)
Fly by Math	ND	SCI.6.6.2.4	Use appropriate tools and techniques to gather and analyze data
Fly by Math	ND	SCI.6.6.2.5	Use data from scientific investigations to determine relationships and patterns
Fly by Math	ND	SCI.6.6.3.2	Use simple machines to change forces

Smart Skies			
2006 Science			
Content and Achievement Standards			
North Dakota Science			
Grade 8			
Activity/Lesson	**State**	**Standards**	
Fly by Math	ND	SCI.8.8.2.3	Use basic mathematics and statistics (e.g., operations, mean, median, mode, range, and estimation) to interpret quantitative data
Fly by Math	ND	SCI.8.8.3.3	Interpret the effect of balanced and unbalanced forces on the motion of an object (e.g., convection currents, orbital motion, tides)

Smart Skies			
2006 Science			
Content and Achievement Standards			
North Dakota Science			
Grades 9-10			
Activity/Lesson	**State**	**Standards**	
Fly by Math	ND	SCI.9-10.9-10.2.8	Analyze data found in tables, charts, and graphs to formulate conclusions
Fly by Math	ND	SCI.9-10.9-10.3.7	Use Newton's Laws to describe the motion of an object

Line Up with Math	ND	SCI.9-10.9-10.3.7	Use Newton’s Laws to describe the motion of an object