

Smart Skies			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grade 5			
Activity/Lesson	State	Standards	
Fly by Math	NC	MA.5.4.01	Collect, organize, analyze, and display data (including stem-and-leaf plots) to solve problems.
Fly by Math	NC	MA.5.4.02	Compare and contrast different representations of the same data; discuss the effectiveness of each representation.
Line Up with Math	NC	MA.5.5.03	Identify, describe, and analyze situations with constant or varying rates of change.
Smart Skies			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
Fly by Math	NC	MA.6.3.01	Identify and describe the intersection of figures in a plane.
Line Up with Math	NC	MA.6.3.01	Identify and describe the intersection of figures in a plane.
Smart Skies			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grade 7			
Activity/Lesson	State	Standards	
Fly by Math	NC	MA.7.4.01	Collect, organize, analyze, and display data (including box plots and histograms) to solve problems.
Fly by Math	NC	MA.7.4.02	Calculate, use, and interpret the mean, median, mode, range, frequency distribution, and inter-quartile range for a set of data.
Smart Skies			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
Fly by Math	NC	MA.8.4.01	Collect, organize, analyze, and display data (including scatterplots) to solve problems.
Line Up with Math	NC	MA.8.2.01	Determine the effect on perimeter, area or volume when one or more dimensions of two- and three-dimensional figures are changed.
Smart Skies			
2003 Mathematics			

Standard Course of Study			
North Carolina Mathematics			
Grades 9-12 (Introductory Mathematics)			
Activity/Lesson	State	Standards	
Fly by Math	NC	MA.9-12.3.01	Collect, organize, analyze, and display data (including scatterplots) to solve problems.
Fly by Math	NC	MA.9-12.4.02	Write an equation of a linear relationship given: two points, the slope and one point on the line, or the slope and y-intercept.
Line Up with Math	NC	MA.9-12.2.01	Determine the effect on perimeter, area or volume when one or more dimensions of two- and three-dimensional figures are changed.
Line Up with Math	NC	MA.9-12.4.02	Write an equation of a linear relationship given: two points, the slope and one point on the line, or the slope and y-intercept.
Smart Skies			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grades 9-12 (Algebra 1)			
Activity/Lesson	State	Standards	
Fly by Math	NC	MA.9-12.3.01	Use matrices to display and interpret data.
Fly by Math	NC	MA.9-12.3.03.a	Interpret constants and coefficients in the context of the data.
Smart Skies			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grades 9-12 (Geometry)			
Activity/Lesson	State	Standards	
Fly by Math	NC	MA.9-12.2.02	Apply properties, definitions, and theorems of angles and lines to solve problems and write proofs.
Line Up with Math	NC	MA.9-12.2.02	Apply properties, definitions, and theorems of angles and lines to solve problems and write proofs.
Smart Skies			
2003 Mathematics			
Standard Course of Study			
North Carolina Mathematics			
Grades 9-12 (Pre-Calculus)			
Activity/Lesson	State	Standards	
Fly by Math	NC	MA.9-12.2.03.a	Interpret the constants, coefficients, and bases in the context of the data.