

Smart Skies			
2007 Mathematics			
Academic Standards			
Minnesota Mathematics			
Grade 5			
Activity/Lesson	State	Standards	
Fly by Math	MN	MA.5.5.4.1.2	Create and analyze double-bar graphs and line graphs by applying understanding of whole numbers, fractions and decimals. Know how to create spreadsheet tables and graphs to display data.
Smart Skies			
2007 Mathematics			
Academic Standards			
Minnesota Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
Fly by Math	MN	MA.6.6.3.2.1	Solve problems using the relationships between the angles formed by intersecting lines.
Line Up with Math	MN	MA.6.6.3.2.1	Solve problems using the relationships between the angles formed by intersecting lines.
Smart Skies			
2007 Mathematics			
Academic Standards			
Minnesota Mathematics			
Grade 7			
Activity/Lesson	State	Standards	
Line Up with Math	MN	MA.7.7.2.1.2	Understand that the graph of a proportional relationship is a line through the origin whose slope is the unit rate (constant of proportionality). Know how to use graphing technology to examine what happens to a line when the unit rate is changed.
Smart Skies			
2007 Mathematics			
Academic Standards			
Minnesota Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
Fly by Math	MN	MA.8.8.2.1.3	Understand that a function is linear if it can be expressed in the form $f(x)=mx+b$ or if its graph is a straight line.

Fly by Math	MN	MA.8.8.4.1.1	Collect, display and interpret data using scatterplots. Use the shape of the scatterplot to informally estimate a line of best fit and determine an equation for the line. Use appropriate titles, labels and units. Know how to use graphing technology to display scatterplots and corresponding lines of best fit.
Line Up with Math	MN	MA.8.8.2.1.3	Understand that a function is linear if it can be expressed in the form $f(x)=mx+b$ or if its graph is a straight line.
Line Up with Math	MN	MA.8.8.2.4.1	Use linear equations to represent situations involving a constant rate of change, including proportional and non-proportional relationships.
Line Up with Math	MN	MA.8.8.3.1.2	Determine the distance between two points on a horizontal or vertical line in a coordinate system. Use the Pythagorean Theorem to find the distance between any two points in a coordinate system.
Smart Skies			
2007 Mathematics			
Academic Standards			
Minnesota Mathematics			
Grades 9-11			
Activity/Lesson	State	Standards	
Fly by Math	MN	MA.9-11.9.4.1.1	Describe a data set using data displays, including box-and-whisker plots; describe and compare data sets using summary statistics, including measures of center, location and spread. Measures of center and location include mean, median, quartile and percentile. Measures of spread include standard deviation, range and inter-quartile range. Know how to use calculators, spreadsheets or other technology to display data and calculate summary statistics.