

Smart Skies			
2008 Mathematics			
Grade Level Articulations			
Arizona Mathematics			
Grade 5			
Activity/Lesson	State	Standards	
Fly by Math	AZ	MA.5.2.1.PO 1	Collect, record, organize, and display data using multi-bar graphs or double line graphs.
Fly by Math	AZ	MA.5.2.1.PO 2	Formulate and answer questions by interpreting and analyzing displays of data, including multi-bar graphs or double line graphs.
Fly by Math	AZ	MA.5.5.2.PO 8	Make and test conjectures based on data or information collected from explorations and experiments.
Line Up with Math	AZ	MA.5.3.4.PO 1	Describe patterns of change including constant rate and increasing or decreasing rate.
Smart Skies			
2008 Mathematics			
Grade Level Articulations			
Arizona Mathematics			
Grade 6			
Activity/Lesson	State	Standards	
Fly by Math	AZ	MA.6.2.1.PO 1	Solve problems by selecting, constructing, and interpreting displays of data, including histograms and stem-and-leaf plots.
Fly by Math	AZ	MA.6.2.1.PO 2	Formulate and answer questions by interpreting, analyzing, and drawing inferences from displays of data, including histograms and stem-and-leaf plots.
Fly by Math	AZ	MA.6.5.2.PO 7	Isolate and organize mathematical information taken from symbols, diagrams, and graphs to make inferences, draw conclusions, and justify reasoning.
Line Up with Math	AZ	MA.6.1.1.PO 5	Express that a number's distance from zero on the number line is its absolute value.
Line Up with Math	AZ	MA.6.4.4.PO 1	Determine the appropriate unit of measure for a given context and the appropriate tool to measure to the needed precision (including length, capacity, angles, time, and mass).
Smart Skies			
2008 Mathematics			
Grade Level Articulations			
Arizona Mathematics			
Grade 7			
Activity/Lesson	State	Standards	
Fly by Math	AZ	MA.7.2.1.PO 1	Solve problems by selecting, constructing, and interpreting displays of data including multi-line graphs and scatterplots.
Fly by Math	AZ	MA.7.2.1.PO 2	Interpret trends in a data set, estimate values for missing data, and predict values for points beyond the range of the data set.

Line Up with Math	AZ	MA.7.3.4.PO 1	Use graphs and tables to model and analyze change.
Line Up with Math	AZ	MA.7.4.4.PO 7	Measure to the appropriate degree of accuracy and justify reasoning.
Smart Skies			
2008 Mathematics			
Grade Level Articulations			
Arizona Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
Fly by Math	AZ	MA.8.2.1.PO 1	Solve problems by selecting, constructing, interpreting, and calculating with displays of data, including box and whisker plots and scatterplots.
Fly by Math	AZ	MA.8.2.1.PO 4	Determine whether information is represented effectively and appropriately given a graph or a set of data by identifying sources of bias and compare and contrast the effectiveness of different representations of data.
Line Up with Math	AZ	MA.8.4.3.PO 2	Use the Pythagorean Theorem to find the distance between two points in the coordinate plane.
Smart Skies			
2008 Mathematics			
Grade Level Articulations			
Arizona Mathematics			
Grades 9-10			
Activity/Lesson	State	Standards	
Fly by Math	AZ	MA.9-10.2.1.PO 2	Organize collected data into an appropriate graphical representation with or without technology.
Fly by Math	AZ	MA.9-10.2.1.PO 3	Display data, including paired data, as lists, tables, matrices, and plots with or without technology; make predictions and observations about patterns or departures from patterns.
Fly by Math	AZ	MA.9-10.3.3.PO 3	Write an equation given a table of values, two points on the line, the slope and a point on the line, or the graph of the line.
Fly by Math	AZ	MA.9-10.4.3.PO 3	Determine the distance between two points in the coordinate plane.
Line Up with Math	AZ	MA.9-10.3.3.PO 3	Write an equation given a table of values, two points on the line, the slope and a point on the line, or the graph of the line.
Line Up with Math	AZ	MA.9-10.3.4.PO 2	Solve problems involving rate of change.
Line Up with Math	AZ	MA.9-10.4.3.PO 3	Determine the distance between two points in the coordinate plane.