

Smart Skies			
2000 Mathematics			
Curriculum Frameworks			
Massachusetts Mathematics			
Grades 5-6			
Activity/Lesson	State	Standards	
Fly by Math	MA	MA.5-6.6.P.6	Produce and interpret graphs that represent the relationship between two variables in everyday situations.
Fly by Math	MA	MA.5-6.6.G.4	Graph points and identify coordinates of points on the Cartesian coordinate plane (all four quadrants).
Fly by Math	MA	MA.5-6.6.D.2	Construct and interpret stem-and-leaf plots, line plots, and circle graphs.
Line Up with Math	MA	MA.5-6.6.P.7	Identify and describe relationships between two variables with a constant rate of change. Contrast these with relationships where the rate of change is not constant.
Line Up with Math	MA	MA.5-6.6.G.4	Graph points and identify coordinates of points on the Cartesian coordinate plane (all four quadrants).
Smart Skies			
2000 Mathematics			
Curriculum Frameworks			
Massachusetts Mathematics			
Grades 7-8			
Activity/Lesson	State	Standards	
Fly by Math	MA	MA.7-8.8.M.5	Use models, graphs, and formulas to solve simple problems involving rates, e.g., velocity and density.
Fly by Math	MA	MA.7-8.8.D.2	Select, create, interpret, and utilize various tabular and graphical representations of data, e.g., circle graphs, Venn diagrams, scatterplots, stem-and-leaf plots, box-and-whisker plots, histograms, tables, and charts. Differentiate between continuous and discrete data and ways to represent them.
Line Up with Math	MA	MA.7-8.8.P.5	Identify the slope of a line as a measure of its steepness and as a constant rate of change from its table of values, equation, or graph. Apply the concept of slope to the solution of problems.
Line Up with Math	MA	MA.7-8.8.M.5	Use models, graphs, and formulas to solve simple problems involving rates, e.g., velocity and density.
Smart Skies			
2000 Mathematics			
Curriculum Frameworks			
Massachusetts Mathematics			
Grades 9-10			
Activity/Lesson	State	Standards	

Fly by Math	MA	MA.9-10.10.G.7	Using rectangular coordinates, calculate midpoints of segments, slopes of lines and segments, and distances between two points, and apply the results to the solutions of problems.
Fly by Math	MA	MA.9-10.AI.D.1	Select, create, and interpret an appropriate graphical representation (e.g., scatterplot, table, stem-and-leaf plots, circle graph, line graph, and line plot) for a set of data and use appropriate statistics (e.g., mean, median, range, and mode) to communicate information about the data. Use these notions to compare different sets of data.
Line Up with Math	MA	MA.9-10.G.G.12	Using rectangular coordinates, calculate midpoints of segments, slopes of lines and segments, and distances between two points, and apply the results to the solutions of problems.