

Integrated Math

State Standard Number	State Standard Area/Description	Unit Name	Course Topic Description
	Algebra		
1	Use algebraic and geometric techniques to make financial and economic decisions, including those involving banking and investments, insurance, personal budgets, credit purchases, recreation, and deceptive and fraudulent pricing and advertising.		
	Generating, manually or with technological tools, graphs and tables related to personal finance and economics		
2	Solve problems using direct, inverse, and joint variation.		
3	Use formulas or equations of functions to calculate outcomes of exponential growth or decay.		
4	Determine maximum and minimum values of a function using linear programming procedures.		
5	Approximate rates of change of nonlinear relationships from graphical and numerical data.		
	Graphing information from tables, equations, or classroom-generated data to model consumer costs and to predict future outcomes		
6	Use the extreme value of a given quadratic function to solve applied problems.		
7	Make predictions based upon tables or graphs from societal contexts.		
	Geometry		
8	Determine missing information in an application-based situation by using the properties of right triangles, including trigonometric ratios.		
9	Analyze the aesthetics of real-life situations using line symmetry, rotational symmetry, or the golden ratio.		
10	Use arc length and sector area to solve applied problems.		
	Measurement		
11	Critique the appropriateness of measurements in terms of precision, accuracy, and approximate error.		
12	Use ratios of perimeters, areas, and volumes of similar figures to solve applied problems.		
	Data Analysis and Probability		
13	Model a set of data by estimating the equation of a curve of best fit from tables of values or scatter plots.		
14	Estimate probabilities given a frequency distribution.		
	Making decisions on the basis of probabilities		