



Content Area: Math

Grade Level: 6th

Course Name: Iready Classroom Math 6th grade

Course Description:

In Grade 6, instructional time should focus on five areas: (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) completing understanding of division of fractions and extending the notion of number to the system of rational numbers, which includes negative numbers; (3) writing, interpreting, and using expressions and equations; (4) deepening understanding of area, surface area and volume; and (5) developing understanding of simple probabilities and statistical thinking.

Units- Length of Time	Description
Unit 1: Expressions and Equations: Area, Algebraic Expressions, and Exponents	This unit introduces students to finding the area of a variety of two-dimensional figures and the surface area of three-dimensional figures. Students also begin work with algebraic expressions, including those with whole-number exponents.

Units- Length of Time	Description
Unit 2: Decimals and Fractions: Base-Ten Operations, Division with Fractions, and Volume	This unit introduces students to dividing fractions, using standard algorithms to add, subtract, multiply and divide decimals and using standard algorithms to divide whole numbers.
Unit 3: Ratio Reasoning: Ratio Concepts and Equivalent Ratios	This unit introduces students to representing ratios using ratio language and finding equivalent ratios.
Unit 4: Ratio Reasoning: Unit Rates and Percent	This unit introduces students to rates and percents.
Unit 5: Algebraic Thinking: Equivalent Expressions and Equations with Variables	This unit introduces students to generating equivalent expression, solving one-variable equations, and analyzing two-variable relationships.
Unit 6: Positive and Negative Numbers: Absolute Value, Inequalities, and the Coordinate Plane	This unit introduces students to comparing positive and negative rational numbers and their absolute values, graphing inequalities with variables on a number line, and plotting negative coordinates on a coordinate plane.
	This unit introduces students to representing and describing data in dot plots, histograms, and box plots. Students learn to choose measures of

Units- Length of Time	Description
Unit 7: Statistical Thinking: Data Distributions and Measures of Center and Variability	center and variability to summarize data sets.

NYS Standard	Links
	<u>NYS Next Gen Learning Standards</u>