

Curriculum Map - Mathematics - PreAlgebra

Textbook Information

Name of Textbook: Pre-Algebra

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Course Resources:

Significant Content

Unit	Content/Skills	Assessments
Trimester 1		
Ch 1, 2, 3 <i>(updated 10/16/23)</i>	(Chapter 1) variables and expressions, solving equations and inequalities using adding/subtracting/multiplying/dividing; graphing including ordered pairs, coordinate plane, and understanding graphs and tables; (Chapter 2) integers including adding/subtracting/multiplying/dividing and solving equations and inequalities containing integers; exponents including properties and patterns; and scientific notation; and Chapter 3) rational numbers including adding/subtracting/multiplying/dividing, and adding/subtracting different denominators; squares and square roots.	Mid-Chapter Quizzes Chapter Tests Vocabulary quizzes Cumulative Assessments
Unit	Content/Skills	Assessments
Trimester 2		
Ch 11, 10, 12, 5 <i>(updated 10/16/23)</i>	(Chapter 11) Graphing linear equations, slope of a line, using slopes and intercepts, different forms of lines such as point-slope form and direct variation, graphing inequalities and best fit; (Chapter 10) solving two-step and multi-step equations and inequalities, and systems of equations; (Chapter 12) sequences including arithmetic and geometric sequences and different forms of functions including linear, exponential, and quadratic, and inverse variation; and (Chapter 5) points, lines, planes, geometric shapes, congruence, transformations, and symmetry.	Mid-Chapter Quizzes Chapter Tests Chapter Performance Assessments Cumulative Assessments
Unit	Content/Skills	Assessments
Trimester 3		
Ch. 6, 7, 9, 4 <i>(updated 10/16/23)</i>	(Chapter 6) perimeter and area of rectangles, parallelograms, triangles, and trapezoids, right angles and the Pythagorean Theorem, drawing three-dimensional figures, and surface area and volume of pyramids and cones; (Chapter 7), ratios, proportions, rates, and unit rates, dilations, similar figures, scale drawings and models, and scaling three-dimensional figures; (Chapter 9) theoretical and experimental probability, Fundamental Counting Principle, Permutations and Combinations, independent and dependent events, and odds; and (Chapter 4) samples and surveys, organizing data, measures of central tendency and variability, displaying data, misleading graphs, and scatter plots.	Mid-Chapter Quizzes Chapter Tests Chapter Performance Assessments Cumulative Tests Standardized Test Prep