Unit 1—Functions
- Comparing Functions
- Graphs of Absolute Value Functions
- Transformations and Absolute Value Function Graphs
- Solving Absolute Value Equations and Inequalities
- Evaluating Piecewise Functions
- Graphs of Piecewise Functions
- Systems of Equations Using Technology

Unit 2—Inverses, Exponentials and Logarithms
- Inverses
- Introduction to Exponentials and Logarithms
- Graphs of Exponentials and Logarithms
- Solving Exponential Equations
- Properties of Logarithms and Solving One-Sided Logarithms
- Solving Two-Sided Logarithmic Equations and Inverses
- Base e and The Natural Logarithm
- Applications of Exponentials and Logarithms

Unit 3—Polynomials
- Factoring with GCF, Difference of Squares and Trinomials
- Factoring by Grouping and Sum & Difference of Cubes
- Operations with Polynomials & Pascal's Triangle
- Long Division and Synthetic Division
- Factored Form of a Polynomial and Roots of a Polynomial
- Polynomial Graph Characteristics
- Graphs of Polynomials
- Graphs of Polynomials with Technology
- Applications of Polynomials

Unit 4—Rationals
- Simplifying, Multiplying and Dividing Rational Functions
- Adding and Subtracting Rational Expressions
- Solving Rational Equations
- Applications of Rational Functions
- Graphs of Rational Functions

Unit 5—Volume and Density
- Perimeter, Area and Volume
- Density and Population Density
- Cross Sections and Rotations

Unit 6—Geometry
- Lines, Quadrilaterals and Parallelograms
- Special Parallelograms-Rectangles, Rhombus and Square
- Trapezoids and Kites
- Points of Concurrency

Unit 7—Circles
- Equations of Circles
- Arc Length, Sector Area, Segment Area, Circumference and Area
- Arcs, Chords, Central and Inscribed Angles
- Secant and Tangent Segments
- Secant, Tangents and Angles

Unit 8—Trigonometry
- Angle Measures and Arc Length
- The Unit Circle and Trigonometric Functions from the Unit Circle
- Graphs of Sine and Cosine
- Applications of Sinusoidal Functions

Unit 9—Statistics
- Statistical Vocabulary and Data Collection Techniques
- Five Number Summary and Margin of Error