Unit 1: Chapter 6 Trigonometric Functions Review (approximately 21 days)
6.1 Angles and Their Measures
6.2 Trigonometric Functions: Unit Circle Approach
6.3 Properties of the Trigonometric Functions
6.4 Graphs of the Sine and Cosine Functions
6.5 Graphs of the Tangent, Cotangent, Cosecant, and Secant Functions
6.6 Phase Shift; Sinusoidal Curve Fitting

Unit 2: Chapter 7 Analytic Trigonometry (approximately 27 days)
7.1 The Inverse Sine, Cosine, and Tangent Functions
7.2 The Inverse Trigonometric Functions (continued)
7.3 Trigonometric Identities
7.4 Sum and Difference Formulas
7.5 Double Angle and Half Angle Formulas
7.6 Product-to-Sum and Sum-to-Product Formulas
7.7 Trigonometric Equations (I)
7.8 Trigonometric Equations (II)

Unit 3: Chapter 8 Applications of Trigonometric Functions (approximately 19 days)
8.1 Right Triangle Trigonometry: Applications
8.2 The Law of Sines
8.3 The Law of Cosines
8.4 The Area of a Triangle
8.5 Simple Harmonic Motion

Unit 4: Chapter 9 Polar Coordinates; Vectors (approximately 24 days)
9.1 Polar Coordinates
9.2 Polar Equations and Graphs
9.3 The complex Plane: DeMoivre’s Theorem
9.4 Vectors
9.5 The Dot Product
9.6 Vectors in Space
9.7 The Cross Product

Unit 5: Chapter 10 Analytic Geometry (approximately 24 days)
10.1 Conics
10.2 The Parabola
10.3 The Ellipse
10.4 The Hyperbola
10.5 Rotation of Axes: General Form of a Conic
10.6. Polar Equations of Conics
10.7 Plane Curves and Parametric Equations

Unit 6: Chapter 12 Sequences, Induction, and Binomial Theorem (approximately 17 days)
12.1 Sequences
12.2 Arithmetic Sequences
12.3 Geometric Sequences & Series
12.4 Mathematical Induction
12.5 The Binomial Theorem

Unit 7: Chapter 13: Counting and Probability (approximately 8 days)
13.1 Counting
13.2 Permutations & Combinations
13.3 Probability

Unit 8: Chapter 14: A Preview of Calculus (approximately 14 days, if time allows)
14.1 Finding Limits Using Tables and Graphs
14.2 Algebra Techniques for Finding Limits
14.3 One-Sided Limits; Continuous Functions
14.4 The Tangent Problem; The Derivative
14.5 The Area Problem; The Integral

Unit 9: Review and Additional Topics (approximately 14 days)
Final Exam Review
ACT topics review
Math Placement Exam Review

Final (approximately 2 days)
The final exam is mandatory.