Contemporary Pacing Guide 2017-2018

Days	Units	Notes
22	Chapter 1 (1.1-1.7)	<u>Equations and Inequalities</u> Properties of real numbers, evaluate and simplify algebraic expressions, solve linear equations and inequalities, solve absolute value equations and inequalities, problem solving
15	Chapter 2A (2.1-2.4)	<u>Linear Equations and Functions</u> Represent relations and functions, find slope, graph and write equations of lines
9	Chapter 2B (2.5-2.8)	<u>Linear Equation Applications and Extensions</u> Scatter plots and lines of best fit, Regressions, & Piecewise linear functions
		End of Quarter 1
14	Chapter 3A (3.1-3.2)	<u>Systems of Equations</u> Solve systems of equations by graphing, substitution, elimination
12	Chapter 3B (3.3-3.4)	<u>Inequalities</u> Interval Notation, intersection, union, solving compound inequalities and writing solutions in interval notation, absolute value inequalities and equations, graphing linear inequalities including systems
5	Chapter 3C (3.5-3.8)	<u>Matrices</u> Perform matrix operations (add, subtract, multiply), solve linear systems with Cramer's Rule
		End of Quarter 2
10	Chapter 5 (5.1-5.4)	<u>Polynomials</u> Use properties of exponents; identify polynomial functions; add, subtract, multiply polynomials, Pascal's Triangle to expand binomials
11	Chapter 5 (5.5-5.8)	<u>Factoring</u> factor polynomials (GCF, grouping, trinomials, squares, cubes)
15	Chapter 6 (6.1, 6.2, 6.3)	<u>Rational Expressions</u> multiply, divide, add, subtract rational expressions; complex fractions
14	Supplemental & Ch. 6.4-6.5	<u>Polynomial Division</u> Synthetic division, polynomial long division, zeros/roots/factors/solutions, solving quadratics with the quadratic formula and completing the square
		End of Quarter 3
19	Supplemental	<u>Zeros & Graphing</u> Use synthetic or long division, quadratic formula, factoring, or completing the square to find all zeros of polynomial equations, use end behavior to sketch polynomials after finding zeros
15	Supplemental	<u>Applications</u> Volume, Area, Cost, Perimeter, etc. utilizing polynomial functions and the graphing calculator
4	Supplemental	<u>Regression</u> Activities involving linear, cubic, square root, quadratic, & exponential models
		End of Quarter 4