Advanced Functions & Trigonometry Pacing Guide 2017-2018

Days	Sections	Units/Notes
10	A6, 1.2-1.7	Piecewise Functions, Intervals & Even/Odd (Piecewise, Step, Increasing, Decreasing, Constant, Even/Odd, Symmetry, Transformations, Parent Functions)
14	A.5,6; 1.2,4-10	Properties of Functions and Their Graphs [Solving Equations (linear, absolute value, radical, rational exponent), Inequalities (linear and absolute value), Set Notation, Parent Functions and Transformations including general forms, Systems, (Compositions, Inverses, Modeling, Rate of Change, Difference Quotients, Pascal's Triangle)]
14	A5; 2.1,4,7	Quadratic Functions (Complex Numbers, Solving, Graphing, Inequalities, Applications)
14	2.2-5	Polynomial Functions (Long and Synthetic Division, Graphing, Solving, Inequalities, Applications)
16	3.1-5	Exponential and Logarithmic Functions (Solving and Graphing, Inequalities, Applications, Regression)
13	A.1,3-5	Rational Expressions and Equations (Interval Notation, Polynomial and Factoring Review, Simplifying, Solving, Applications)
16	2.6,7	Rational Functions (Graphing, Inequalities, Applications, Slant Asymptotes)
16	4.1, 2,3,8 Unit Circle, 4.3,4	Intro to Trig & Unit Circle/SohCahToa Reference & Coterminal Angles
17	4.5,6,7	Trig Graphs, Inverse Trig Functions
10	5.1-3	Trig Identities Solving Trig Equations
10	5.4,5	Analytic Trigonometry
11	Ch. 10	Conic Sections (Circle, Ellipse, Parabola, Hyperbola)