Honors Pre-Calculus Pacing Guide

Approx. Days	Units	Notes
5	Solving equations and inequalities	Solving Equations and Inequalities
12	Functions: 1.1-1.7	Graphs, transformations, combinations, & inverses
16	Polynomial & Rational Functions: 2.1-2.8	Quadratics, Polynomials & their graphs, zeros, complex #'s, Rational functions and their graphs
15	Exponential & Logarithmic Functions: 3.1-3.6	Exponential and Logarithmic graphs, loqarithm properties, solving log and exponential equations, exponential and log models
	End of 1st quarter	
32	Trigonometric Functions 4.1-4.8	radians/ degrees, Unit circle, right triangle trig., trig. functions of any angle, trig. graphs, inverse trig functions, applications
6	Analytic Trigonometry: 5.1-5.2	Identities, verifying identities,
	1st Semester	
14	Analytic Trigonometry: 5.3-5.5	Solving trig. equations, sum & diff. formulas, multiple angle formulas
22	Additional Topics in Trigonometry 6.1-6.5	Law of Sines Law of Cosines vectors, dot products, projections, work trig. form of a complex #
5	Systems of Equations and Inequalities Review 7.1-7.3	Solving systems of equations, Partial Decomposition
10	Sequences, Series, and Probability 8.1-8.5	Arithmetic & Geometric sequences and series, math induction, binomial theorem, counting principles
	End of 3rd Quarter	
10	Sequences, Series, and Probability 8.6 Statistics Unit	Probability Statistics
19	Topics in Analytic Geometry 9.1-9.7	Conics, parametric equations, polar coordinates & equations
9	Limits and an Introduction to Calculus 11.1-11.5	Limits, Tangent Line & Area Problems, Limits at infinity, Limits of sequences
	2nd Semester	