Secondary Math Sequencing 2021-2022 (High School Courses)

Course	Algebra 1	IM 2	IM 3	IM 4 Statistics	Pre-Calculus	Calculus
A. 1st Unit	One-Variable Statistics Unit 1	Functions, Equations, & Systems Unit 1	Inequalities & Linear Programming Unit 2	Exploring Data Chapter 1	Functions & Their Graphs Chapter 1	Prerequisites for Calculus Chapter 1
B. 2nd Unit	Linear Equations, Inequalities, & Systems Unit 2	Supplemental Geometry Unit (Indirect Proofs using Transversals and Quadrilaterals)	Polynomial & Rational Functions Unit 5 Supplemental Mini-Unit on Radical Functions	Functions & Models Chapter 2	Polynomial & Rational Functions Chapter 2	Trigonometry Review from Pre-Calculus
C. 3rd Unit	Two-Variable Statistics Unit 3	Coordinate Methods Unit 3 (Coordinate Geometry of Quadrilaterals and Transformations) Mid-Term	**Circles & Circular Functions Unit 6** *Mid-Term*	**Trigonometric Functions Chapter 4 Trigonometry Chapter 5** *Mid-Term*	**Exponential & Logarithmic Functions Chapter 3** *Mid-Term*	Limits and Continuity Chapter 2
D. 4th Unit	Functions Unit 4 *Mid-Term*	Circles & Circular Functions Unit 6 from IM3	Inverse Functions Unit 8	Counting, Probability, and Inference Chapter 6	Trigonometric Functions Chapter 4	Derivatives Chapter 3 *Mid-Term*
E. 5th Unit	Introduction to Exponential Functions Unit 5	**Nonlinear Functions & Equations Unit 5 (Quadratics and Systems of Nonlinear Equations)**	Similarity & Congruence Unit 3	Roots, Powers, and Logarithms Chapter 9 *Final*	Analytic Trigonometry Chapter 5 Additional Topics in Trigonometry Chapter 6	**More Derivatives Chapter 4**
F. 6th Unit	Introduction to Quadratic Functions Unit 6	Trigonometric Methods Unit 7 (Right Triangle Trigonometry)	Reasoning & Proof Unit 1 *Final*		Sequences, Series, and Probability Chapter 8	Applications of Derivatives Chapter 5

G. 7th Unit	**Quadratic Equations** Unit 7 *Final*	**Probability Distributions** Unit 8 *Final*			**Topics in Analytic Geometry** Chapter 9 (9.1, 9.2)	**Differential Equations and Mathematical** Modeling Chapter 7 *Final*
H. 8th Unit					**Limits & Introduction to Calculus** Chapter 11 (Honors only) *Final*	
I. 9th Unit						
Spring Assessments to Consider Impact On:	**7th/8th Graders:** Smarter Balance 7 or 8 Performance Plus Algebra 1 **9th Graders:** PSAT Performance Plus Algebra 1	**8th Graders:** Smarter Balance 8 Performance Plus IM2 **9th or 10th Graders:** PSAT/NMSQT Performance Plus IM2	**High Schoolers:** PSAT/NMSQT/SAT Performance Plus IM3	**High Schoolers:** PSAT/NMSQT/SAT Performance Plus IM Accuplacer	**High Schoolers:** PSAT/NMSQT/SAT Performance Plus Pre-Calculus Accuplacer	**High Schoolers:** PSAT/NMSQT/SAT Performance Plus Calculus Accuplacer