REDBANK VALLEY SCHOOL DISTRICT
MATHEMATICS CURRICULUM MAP

TRIGONOMETRY & PRE-CALCULUS

SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Properties of Real Numbers; Basic Properties of Algebra; Cartesian Plane; Linear Equations & Inequalities; Graphing Linear Equations	Solving Equations Graphically, Numerically, & Algebraically; Solving Inequalities Algebraically & Graphically; Math Modeling & Equation Solving; Define Functions & Their Properties; Analyze Ten Basic Functions; Build Functions: Algebraically, Composition, Parametric, & Inverses	Transforming Functions Graphically & Algebraically; Produce Function to Model Data, Formulas, & Graphs; Linear & Quadratic Functions with Modeling; Power Functions with Modeling	Polynomial Functions of Higher Degree with Modeling; Synthetic Division & Finding Zeros of Polynomials; Operations of Complex Numbers; Find Complex Zeros of Polynomials	Analyze & Use Rational Functions; Solving Polynomial & Rational Inequalities; Analyze & Use Exponential & Logistic Functions; Models & Applications of Exponential & Logistic Functions	Logarithmic Functions-Graphs & Applications; Properties of Logarithmic Functions; Apply & Solve Exponential & Logarithmic Functions; Use Exponential Functions to Solve Financial Applications	Convert Between Radians & Degrees; Right Triangle Trigonometry; Circular Functions of Trigonometry; Graphs of Sinusoids	Graphs of Tangent, Cotangent, Secant, & Cosecant; Inverse Trig Functions; Solving Application Problems with Trigonometry	Fundamental Trigonometry Identities; Proving Trigonometry Identities; Law of Sines; Law of Cosines