Algebra I Curriculum Map

Standards	Content	Skills/Practices	Materials/ Resources	Assessments (All) Daily/Weekly/ Benchmarks	Timeline (Months/Weeks/Days)
N-RN.B.3	Unit 1: Real Number Sets and their Properties	-Properties of Real Numbers - Real Number Sets - Set Theory - Interval Notation - Inequality Notation - Roster Notation - Basic Inequalities	Index cards with Real Numbers, Teacher created lessons/notes/handouts	Exit tickets, unit quiz, daily homework/graded activities	11 days
A.CED.A.1-4 A.REI.A A.REI.3	Unit 2: Exploring Linear Equations	- Solving Multi-Step Equations - Solving Rational Equations -Word Problems	Inside/Outside Circle Activity, Teacher created lessons/notes/handouts	Exit tickets, unit quiz, unit test, daily homework/graded activities	13 days
A.CED.A.1 A.CED.3 A.REI.D.12	Unit 3: Linear Inequalities	-Solving Multi-Step Inequalities -Word Problems -Smallest Integer Inequalities	Fix the flaw, stations, teacher created lessons/notes/handouts	Exit tickets, unit test, daily homework/graded activities	8 days
F.IF.1 F.LE.5	Unit 4: Intro to Functions	-What is a function -Domain and Range -Function Notation	Sorting activity, teacher created lessons/notes/handouts	Exit tickets, unit quiz, daily homework/graded activities	6 days

A.REI.D.12 A.REI.D.10 A.REI.6 F.LE.1	Unit 5: Graphing Linear Functions	-Slope/Rate of Change -Slope-intercept form -Linear Equation Modeling -Graphing Linear Functions -Graphing Line Segments -Graphing Inequalities -Writing Equations of Lines -Linear Regressions -Piecewise Functions	Linear vs. Nonlinear sorting activity, teacher created lessons/notes/handouts	Exit tickets, unit quiz, unit test, daily homework/graded activities	14 days
A-SSE.1 A-SSE.2 A-APR.A A-APR.A.1	Unit 6: Exponents and Polynomials	-Properties of Exponents -Negative Exponents -Standard Form -Adding/Subtracting/Multiplying/Dividing Polynomials - Word Problems	Graphic Organizer, teacher created lessons/notes/handouts	Exit tickets, unit quiz, unit test, daily homework/graded activities	11 days
A.SSE.B. A.SSE.B.A	Unit 7: Factoring	-GCF/Trinomials/DOTS/a>1/Grouping -Factoring Completely	Teacher created lessons/notes/handouts	Exit tickets, unit quiz, unit test, daily homework/graded activities	14 days
A.APR.B.3	Unit 8: Graphing Quadratics	-Graphing Quadratic Equations - Exploring Parabolas -Word Problems	Teacher created lessons/notes/handouts	Exit tickets, unit quiz, unit test, daily homework/graded activities	11 days

A.SSE.B.3 F-IF.8 F.BF.3	Unit 9: Completing the Square and Vertex Form	-Vertex form of a Quadratic Equation -Left/Right/Up/Down Translations of Parabolas -Completing the Square -Completing the Square to Vertex Form	Teacher created lessons/notes/ha ndouts	Exit tickets, unit quiz, daily homework/graded activities	8 days
A.SSE.B.A	Unit 10: Solving Quadratics	-Solving Graphically -Solving by Factoring -Simplifying Radicals -Solving by Completing the Square -Solving by the Quadratic Formula	Poster Project, teacher created lessons/notes/ha ndouts	Exit tickets, unit quiz, unit test, daily homework/graded activities	13 days
F-IF.7 b,c,d,e F.BF.3 F.LE.1 F.LE.2 F.LE.5	Unit 11: All Other Functions	-Absolute Value Functions -Square Root Functions -Piecewise Functions -Step Functions -Exponential Functions -Exponential Growth/Decay -Word Problems	Parent Functions Foldable, teacher created lessons/notes/ha ndouts	Exit tickets, unit quiz, unit test, daily homework/graded activities	11 days
A.REI.C A.REI.C.7	Unit 12: Systems of Equations and Inequalities	-Solving Systems of Inequalities -Solving Systems of Equations by Graphing - Solving Systems using Substitution	Teacher created lessons/notes/ha ndouts	Exit tickets, unit quiz, unit test, daily homework/graded activities	16 days

		-Solving Systems using Elimination -Solving Quad/Linear Systems Algebraically -Solving Quad/Linear Systems Graphically -Word Problems			
S.ID.1 S.ID.6 S.ID.3	Unit 13: Statistics	-Measures of Central Tendency - Histograms - Two Way Frequency Tables - Box Plots -Standard Deviation -Regressions -Residuals	Teacher created lessons/notes/handouts	Exit tickets, unit quiz, unit test, daily homework/graded activities	9 days
A.REI.3 F.IF.A.3	Unit 14: Sequences & Literal Equations	-Arithmetic/Geometric Sequences -Literal Equations	Foldable Activity, teacher created lessons/notes/handouts	Exit tickets, unit quiz, daily homework/graded activities	5 days