

Algebra I Curriculum Map

TOPIC & TEXTBOOK SECTIONS	Duration	Month(s)
Unit 1: Expressions, Equations and Negative Numbers <u>Chapters 1 & 2:</u> Operations, Variables, Powers/Exponents, Order of Operations, Expressions, Equations, Negative Numbers, Commuting & Associating	3 wks	Aug/Sept
Unit 2: Properties, Axioms and Equations <u>Chapters 3 & 4:</u> Solving Two Step Equations, Application of Equations, Algebraic Properties/Axioms, Harder Equations	3 wks	Sept
Unit 3: Polynomials & Radicals <u>Chapter 5:</u> Polynomials, Names of Polynomials, Product of Binomials, Squaring a Binomial, Factoring Trinomials, Radicals, Irrational Numbers	4 wks	Sept/Oct
Unit 4: Quadratic Equations <u>Chapter 6:</u> Quadratic Formula, Evaluating Expressions with Radicals, Equations with Absolute Values and Squares, Completing the Square, Vertical Motion Problems, The Discriminant	4 wks	Oct/Nov
Unit 5: Two Variable Expressions and Equations <u>Chapter 7:</u> Cartesian Coordinate System, Graphs of Linear Equations, Slope, Slope-Intercept Form, Point-Slope Form, Standard Form, Systems of Equations	5 wks	Nov/Dec

Keystone Algebra 1 Curriculum Map

Huangqi Zhang



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