

# Algebra I Curriculum Map

TOPIC & TEXTBOOK SECTIONS	Duration	Month(s)
<b>Unit 1: Expressions, Equations and Negative Numbers</b> <u>Chapters 1 &amp; 2:</u> Operations, Variables, Powers/Exponents, Order of Operations, Expressions, Equations, Negative Numbers, Commuting & Associating	3 wks	Aug/Sept
<b>Unit 2: Properties, Axioms and Equations</b> <u>Chapters 3 &amp; 4:</u> Solving Two Step Equations, Application of Equations, Algebraic Properties/Axioms, Harder Equations	3 wks	Sept
<b>Unit 3: Polynomials &amp; Radicals</b> <u>Chapter 5:</u> Polynomials, Names of Polynomials, Product of Binomials, Squaring a Binomial, Factoring Trinomials, Radicals, Irrational Numbers	4 wks	Sept/Oct
<b>Unit 4: Quadratic Equations</b> <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
<b>Unit 5: Two Variable Expressions and Equations</b> <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

# Algebra 1 Curriculum Guide

**SJ Ball**



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