

**Alum Rock Union Elementary School District
2011-2012 Pacing Guide for Sixth Grade
Prentice Hall Mathematic-California Grade 6 Math**



Dates	Days	Topics: Content and Assessment	CA Content Standards	Enrichment/Supplements Review text pages 2E & 2F & text CD's	English Learner Resources
8/23 – 9/16	18 days	Chapter 1: Decimals and Integers		Page numbers apply to <i>All-in-One Teaching Resources</i>-Chapter 1-4	<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video
	3	Course Introduction: Diagnostic, Preliminary Class Activities			<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Base-ten blocks • Have students read decimals out loud to develop the language • Partner students to complete problem as a pair • Have students explain their strategies for solving problem • Use real life application (money, sea level, temperature, football, golf, etc...) • Integer tiles to build conceptual understanding • Sentence strips for remembering rules
	1	1.1 Using Estimation Strategies	AF 2.3	Graphic Organizer/Reteaching/Daily Puzzle/Activity Lab/Practice Workbook (Pages 1-7)	
	2	1.2 Adding and Subtracting Decimals	AF 1.3	Practice Workbook/Enrichment/Daily Workbook Puzzle/Video tutor help (Pages 9-15)	
	2	1.3 Multiplying and Dividing Decimals	AF 1.3 AF 2.3	Graphic Organizer/Reteaching/Daily Puzzle Activity Lab/Practice Workbook (Pages 18-23)	
	1	1.4 Measuring in Metric Units	AF 2.1	Practice Workbook/Enrichment/Activity Lab/ Reading Comprehension/Puzzles (Pages 25-32)	
	1	1.5 Comparing and Ordering Integers	NS 1.1	Practice workbook/ Enrichment/Vocabulary Builder Read/Write Math symbols/ Activity Lab (Pages 33-40)	
	2	1.6 Adding and Subtracting Integers	NS 2.3	Practice Workbook/ Enrichment/ Math Reasoning Activity Lab /Daily Puzzle (Pages 41-49)	
	2	1.7 Multiplying and Dividing Integers	NS 2.3 AF 2.3	Practice Workbook/ Enrichment/ Activity Lab Puzzle/Reteaching (Pages 51-57)	
	1	1.8 Order of Operations and the Distributive Property	AF 1.3 AF 1.4	Practice Workbook/Enrichment/Activity Lab Puzzle/Reteaching (Pages 58-66)	
	1	1.9 Mean, Median, Mode, and Range	SDAP 1.1 SDAP 1.3	Practice Workbook/ Enrichment/ Activity Lab/Puzzle/Test Taking Strategies (Pages 67-73)	
	1	Chapter 1 Review		Review & Test Material (Pages 74-86)	
	1	Short Cycle Assessment 1 Due 9/21	AF 1.3 NS 1.1 NS 2.3	Operations with Decimals; Comparing and Ordering Whole Integers; Operations with Integers	



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9/19 – 10/6	14 Days	Chapter 2: Exponents, Factors, and Fractions		Page numbers apply to <i>All-in-One Teaching Resources</i>-Chapter 1-4	<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video
	2	2.1 Exponents and Order of Operations	AF 1.3 AF 1.4	Practice Workbook/Graphic Organizer/Daily Puzzle/Enrichment (Pages 89-97)	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Use flash cards to study key vocabulary: divisible, prime, composite, multiple, factor, equivalent, improper, mixed, comparing and ordering • Have students read fractions out loud to develop the language • Use a number line to visualize multiples • Fraction models/bars/circles • Partner students - one creates a problem the other answers • Card sorts • Estimation using benchmark fractions (closer to zero, $\frac{1}{2}$ or 1?)
	2	2.2 Prime Factorization	NS 2.4	Practice Workbook/Enrichment/Reteaching/Activity Lab/Daily Puzzle (Pages 98-103)	
	1	2.3 Simplifying Fractions	NS 2.4	Practice Workbook/Enrichment/Reteaching/Activity Lab/Daily Puzzle (Pages 105-111)	
	2	2.4 Comparing and Ordering Fractions	NS 1.1 MR 2.5	Practice Workbook/Enrichment Reteaching/Activity Lab/Daily Puzzle (Pages 113-119)	
	1	2.5 Mixed Numbers and Improper Fractions	NS 1.1	Practice Workbook/Enrichment/Reteaching/Activity Lab/Daily Puzzle/Mindpoint Quiz (Pages 125-128)	
	2	2.6 Fractions and Decimals	NS 1.1 MR 2.4 MR 3.2	Practice Workbook/Enrichment/Reteaching/Activity Lab/Daily Puzzle Vocabulary Check (Pages 129-137)	
	2	2.7 Rational Numbers (Comparing and Ordering)	NS 1.1	Practice Workbook/Enrichment Reteaching/Activity Lab/Daily Puzzle Read/Write Math Symbols (Pages 139-147)	
	1	Chapter 2 Review		Review Test Material (Pages 148-162)	
	1	Short Cycle Assessment 2 Due 10/11	NS 1.1 NS 2.4	Prime Factorization, LCM, GCF; Simplifying Fractions; Comparing and Ordering Positive and Negative Fractions and Decimals; Converting Between Mixed Numbers and Improper Fractions	



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Dates	Days	Topics: Content and Assessment	CA Content Standards	Enrichment/Supplements Review text pages 104E & 104F & text CD's	English Learner Resources
10/7 – 10/24	12 Days	Chapter 3: Operations with Fractions		Page numbers apply to <i>All-in-One Teaching Resources</i>-Chapters 1-4	<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video
	1	3.1 Estimating with Fractions and Mixed Numbers	NS 2.0	Practice Workbook/Reteaching/Graphic Organizer/Activity Lab/Vocabulary Builder (Pages 161-170)	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Virtual manipulatives • Fraction models/bars/circles • Students practice to separate fractions from whole numbers and add separately then recombine • Partner talk to explain why answers are reasonable
	2	3.2 Adding and Subtracting Fractions	NS 2.1 NS 2.4 MR 2.1 MR 2.4	Mathematical Reasoning/Puzzle Activity Lab/Reteaching/Practice Workbook (Pages 171-176)	
	2	3.3 Adding and Subtracting Mixed Numbers	NS 2.1 NS 2.4 MR 2.1	Reteaching/Daily Puzzle/Practice Workbook/Vocabulary Study Skills (Pages 179-185)	
	2	3.4 Multiplying with Fractions	NS 2.1 NS 2.2 MR 2.4 MR 2.5	Activity Lab/ Reteaching/Vocabulary Study Skills/Enrichment/ Practice Workbook (Pages 187-193)	
	2	3.5 Dividing Fractions and Mixed Numbers	NS 2.1 NS 2.2 MR 2.4	Reteaching/ Daily Puzzle/Visual Vocabulary/Enrichment (Pages 195-202)	
	1	3.6 Changing Units in the Customary System	AF 2.1	Reteaching/Daily Puzzle/Activity Lab Read & Write Math Symbols/Practice Workbook (Pages 203-211)	
	1	Chapter 3 Review		Review & Test Material (Pages 213-228)	
	1	Short Cycle Assessment 3 Due 10/27	NS 2.1 NS 2.4	Operations with Fractions and Mixed Numbers, with an emphasis on Addition and Subtraction	

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Dates	Days	Topics: Content and Assessment	CA Content Standards	Enrichment/Supplements Review text pages 148E & 148F & text CD's	English Learner Resources
10/25 – 11/10	12 Days	Chapter 4: Equations		Page numbers apply to <i>All-in-One Teaching Resources-Chapter 1-4</i>	<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video
	2	4.1 Evaluating and Writing Algebraic Expressions	AF 1.2 AF 1.3	Enrichment/Practice Workbook/Activity Lab (Pages 229-236)	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> Create chart of words that indicate operations; have students circle those words in word problems Alert students to translation errors: <i>five fewer than c cats</i> can be misunderstood to mean $5 - c$. Substitute a number to clarify. Write an equation such as $3x = 18$ on the board and have students develop their own word problem that fits the equation. Have students read equations completely to develop mathematical language and concepts. Ex: $4y = 20$ means <i>4 times a number equals 20</i>. Clarify meaning of <i>isolate</i>. Ex: “x stands alone.” Use a scale to demonstrate concept of inverse operations
	1	4.2 Using Number Sense to Solve Equations	AF 1.1	Enrichment/Practice Workbook/Activity Lab (Pages 237-244)	
	2	4.3 Solving Equations by Adding	AF 1.1 MR 2.6	Enrichment/Practice Workbook/Activity Lab (Pages 245-251)	
	1	4.4 Solving Equations by Subtracting	AF 1.1	Enrichment/Practice Workbook/Activity Lab (Pages 253-260)	
	1	4.5 Solving Equations by Multiplying	AF 1.1 AF 2.3 MR 2.7	Enrichment/Practice Workbook/Activity Lab (Pages 261-267)	
	1	4.6 Solving Equations by Dividing	AF 1.1 MR 2.4 MR 3.1	Enrichment/Practice Workbook/Activity Lab (Pages 269-270)	
	1	Chapter 4 Review		Review and Test Material (Pages 280-292)	
	1	Short Cycle Assessment 4 Due 11/10	AF 1.1 AF 1.2	Evaluating and Writing Algebraic Expressions; Writing One-Step Equations; Solving One-Step Equations (all operations)	
11/8 – 11/10	3	INSPECT Blueprint Form A Due 11/14		District Window 11/7 – 11/14	



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Dates	Days	Topics: Content and Assessment	CA Content Standards	Enrichment/Supplements Review text pages 190E & 190F & text CD's	English Learner Resources
11/14 – 12/2	12 Days	Chapter 5: Ratios, Rates, and Proportions		Page numbers apply to <i>All-in-One Teaching Resources</i>-Chapters 5-8	<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video
	1	5.1 Ratios	NS 1.2 MR 2.5	Practice Workbook/Activity Lab/ Enrichment/Graphic Organizer/Mindpoint Quiz Show (Pages 1-8)	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Use pictures to show part-to-whole comparisons (ex: piano keys) • Have students use labels next to the numbers when setting up their proportions to make sure they are matched up correctly. • Have students label corresponding sides on figures
	1	5.2 Unit Rates and Proportional Reasoning	AF 2.1 AF 2.2 MR 1.1 MR 2.5	Practice Workbook/Activity Lab/Enrichment/Error Prevention/Math Reasoning (Pages 9-15)	
	2	5.3 Proportions	NS 1.2 NS 1.3 AF 2.2 AF 2.3 MR 2.3	Practice Workbook/Activity Lab/Enrichment/ Algebraic Thinking/Daily Puzzle (Pages 17-24)	
	2	5.4 Solving Proportions	NS 1.3 AF 2.2 MR 2.2 MR 2.5	Practice Workbook/Activity Lab/Enrichment/Guided Problem Solving (Pages 25-32)	
	2	5.5 Using Similar Figures	NS 1.3 MR 1.1 MR 1.2	Practice Workbook/ Activity Lab/ Enrichment/Mindpoint Quiz Show/Daily Puzzle (Pages 33-39)	
	2	5.6 Maps and Scales Drawings	NS 1.2 NS 1.3 MR 2.5	Practice Workbook/Activity Lab/Enrichment/ Guided Problem Solving/Mindpoint Quiz Show (Pages 41-51)	
	1	Chapter 5 Review & Test		Review and Test Material (Pages 52-65)	
	1	Short Cycle Assessment 5 Due 12/07	NS 1.2 NS 1.3 AF 2.2	Ratios; Unit Rates; Proportions; Similar Figures; Maps and Scales	



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Dates	Days	Topics: Content and Assessment	CA Content Standards	Enrichment/Supplements Review text pages 232E & 232F & text CD's	English Learner Resources
12/5 – 1/10	16 Days	Chapter 6: Percents		Page numbers apply to <i>All-in-One Teaching Resources</i>-Chapters 5-8	<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video
	2	6.1 Percents, Fractions, and Decimals	NS 1.0	Practice Workbook/Activity Lab/Enrichment/Mindpoint Quiz/Reading Comprehension (Pages 65-73)	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Pair students to practice multiplying or dividing a decimal by 100 • Percent Strips • Have students shade in 100-grid to show percents, fractions, decimals • Have students partner talk and read problems out loud to translate into proportions and equations • Have students solve problems in different ways • Use real life application with newspaper ads • Create a “shopping” PowerPoint or flip chart; have students calculate prices on whiteboards
	2	6.2 Percents Greater Than 100% or Less Than 1%	MR 3.1	Practice Workbook/Activity Lab/Enrichment/Math Reasoning (Pages 75-81)	
	2	6.3 Finding Percent of a Number	NS 1.4 MR 3.2	Practice Workbook/Activity Lab/Enrichment (Pages 83-89)	
	2	6.4 Solving Percent Problems Using Proportions	NS 1.3	Practice Workbook/Activity Lab/Enrichment/Math Symbols (Pages 91-98)	
	2	6.5 Solving Percent Problems Using Equations	NS 1.4 MR 2.7	Practice Workbook/Activity Lab/Enrichment/Mindpoint Quiz (Pages 99-105)	
	2	6.6 Tips and Discounts	NS 1.4 MR 1.3 MR 3.3	Practice Workbook/Activity Lab/Enrichment/Puzzle (Pages 107-113)	
	2	6.7 Interest	NS 1.4	Practice Workbook/Activity Lab/Enrichment/Vocabulary Check/Puzzle (Pages 115-125)	
	1	Chapter 6 Review		Review & Test Material (Pages 121-138)	
	1	Short Cycle Assessment 6 Due 1/13	NS 1.4	Using Proportions and/or Equations to Find a Percent, Part, or Whole; Tips, Discounts and Sales Tax; Interest	

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Dates	Days	Topics: Content and Assessment	CA Content Standards	Enrichment/Supplements Review text pages 276E & 276F & text CD's	English Learner Resources
1/11 – 1/27	12 Days	Chapter 7: Geometry		Page numbers apply to <i>All-in-One Teaching Resources-Chapter 5-8</i>	<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video
	1	7.1 Lines and Planes	MG 2.0	Practice Workbook/Enrichment/Daily Puzzle/Vocabulary Lab (Pages 139-146)	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Make flash cards or foldables with the terms and pictorial representations • Have students find real objects that reflect the different shapes • Create classification chart for quadrilaterals with subsets • Use Total Physical Response to have students show different types of angles • Have students use paper plates to label parts of circles
	2	7.2 Identifying and Classifying Angles	MG 2.1 MG 2.2 MR 2.7	Practice Workbook/Enrichment/Daily Puzzle/Reading Comprehension (Pages 147-153)	
	2	7.3 Triangles	MG 2.2 MG 2.3 MR 1.1 MR 1.2	Practice Workbook/Enrichment/Daily Puzzle/Activity Lab/Guided Practice (Pages 155-161)	
	1	7.4 Quadrilaterals and Other Polygons	MG 2.3	Practice Workbook/Enrichment/Daily Puzzle/Mindpoint Quiz Show (Pages 162-169)	
	2	7.5 Using the Properties of Angles	MG 2.1 MG 2.2 MG 2.3 MR 1.1	Practice Workbook/Enrichment/Daily Puzzle/Mindpoint Quiz Show (Pages 171-177)	
	1	7.6 Circles	AF 3.2	Practice Workbook/Enrichment/Daily Puzzle/Activity Lab (Pages 179-188)	
	1	7.7 Circle Graphs	NS 1.3 NS 1.4 MR 2.6 MR 3.1	Practice Workbook/Enrichment/Daily Puzzle/Mindpoint Quiz Show (Pages 189-194)	
	1	Chapter 7 Review		Review & Test Material (Pages 195-212)	
	1	Short Cycle Assessment 7 Due 2/01	MG 2.1 MG 2.2	Identifying Angles; Finding Angle Measures	

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Dates	Days	Topics: Content and Assessment	CA Content Standards	Enrichment/Supplements Review text pages 322E & 322F & text CD's	English Learner Resources
1/30 – 2/17	15 Days	Chapter 8: Measurement		Page numbers apply to <i>All-in-One Teaching Resources</i>-Chapters 5-8	<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video
	2	8.1 Perimeter and Area of a Rectangle	AF 3.1 AF 3.2	Practice Workbook/Activity Lab/Daily Puzzle/Enrichment (Pages 213-220)	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Ask students to provide real-world examples for using perimeter and area measurements • Have students measure real objects • Have students draw and label the shapes using graph paper and highlighters • Have students read the high use academic words to practice the language • Have students create a mnemonic device to remember circle formulas
	1	8.2 Perimeter and Area of a Parallelogram	AF 3.1 AF 3.2	Practice Workbook/Activity Lab/Daily Puzzle/Enrichment (Pages 221-227)	
	2	8.3 Perimeter and Area of a Triangle	AF 3.1 MR 2.2 MR 3.2	Practice Workbook/Activity Lab/Daily Puzzle/Enrichment/Guided Problem Solving (Pages 229-235)	
	4	8.4 Circumference and Area of a Circle	MG 1.1 MG 1.2 MR 3.2	Practice Workbook/Activity Lab/Daily Puzzle/Enrichment/Guided Problem Solving (Pages 237-243)	
	1	8.5 Three-Dimensional Figures	MG 1.0	Practice Workbook/Activity Lab/Daily Puzzle/Enrichment (Pages 245-251)	
	2	8.6 Surface Areas of Prisms and Circles	MG 1.1 MG 1.2	Practice Workbook/Activity Lab/Daily Puzzle/Enrichment/Reading Comprehension (Pages 253-260)	
	1	8.7 Volumes of Prisms and Cylinders	MG 1.3 MR 2.1	Practice Workbook/Activity Lab/ Daily Puzzle/Enrichment /Math Symbols/Reading Comprehension (Pages 261-266)	
	1	Chapter 8 Review		Review and Test Material (Pages 267-286)	
	1	Short Cycle Assessment 8 Due 2/29	AF 3.1 AF 3.2 MG 1.1	Perimeter and Area of a Rectangle, Parallelogram, and Triangle; Circumference and Area of a Circle	



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Dates	Days	Topics: Content and Assessment	CA Content Standards	Enrichment/Supplements Review text pages 404E & 404F & text CD's	English Learner Resources
2/27 – 3/20	17 Days	Chapter 10: Displaying and Analyzing Data		Page numbers apply to <i>All-in-One Teaching Resources</i> -Chapter 9-11	<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video
2/27 – 3/1	4 (1 review, 3 testing)	INSPECT Blueprint Form B Due 3/2		Review 2/27; District Window 2/28 – 3/2	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> Have students create and conduct a survey and then make a data display to show the results Write the terms <i>population</i> and <i>sample</i> on the board and explain their meanings; discuss why sampling is performed Create a “Name that Sample” game and allow students to work in partners Have students create their own examples of biased and unbiased questions Pair students to create test questions Put into groups of four to complete one test together Have students create flash cards of concepts they need to practice
	2	10.1 Making Data Displays	Prepares for SDAP 2.3	Practice Workbook/Reteaching/Enrichment/Daily Puzzle (Pages 59-67)	
	2	10.2 Analyzing Data Displays	SDAP 1.4 SDAP 2.3 SDAP 2.5	Practice Workbook/Reteaching/Enrichment/Daily Puzzle/Visual Vocabulary Practice (Pages 69-75)	
	2	10.3 Sampling (include “self-selected” as type of sample)	SDAP 2.1 SDAP 2.2 SDAP 2.4	Practice Workbook/Reteaching/Enrichment/Daily Puzzle (Pages 77-83)	
	2	10.4 Surveys and Samples	SDAP 2.3 SDAP 2.4	Practice Workbook/Reteaching/Enrichment/Daily Puzzle/Math Symbols (Pages 85-92)	
	1	10.5 Using Graphs to Persuade	SDAP 2.3	Practice Workbook/Reteaching/Enrichment/Daily Puzzle (Pages 93-99)	
	2	10.6 Using Data to Persuade	SDAP 1.2 SDAP 1.3 SDAP 1.4 SDAP 2.5	Practice Workbook/Reteaching/Enrichment/Daily Puzzle/Visual Vocabulary Check (Page 101-108)	
	1	Chapter 10 Review		Review and Test Material (Pages 107-123)	
	1	Short Cycle Assessment 9 Due 3/23	SDAP 2.2 SDAP 2.3 SDAP 2.4 SDAP 2.5	Analyzing Data Displays; Evaluating Validity of Claims Based on Statistical Data; Identifying Samples and Which Methods Make a Sample Most Representative; Identifying Bias	



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Dates	Days	Topics: Content and Assessment	CA Content Standards	Enrichment/Supplements Review text pages 444E & 444F & text CD's	English Learner Resources
3/21 – 4/6	12 Days	Chapter 11: Probability		Page numbers apply to <i>All-in-One Teaching Resources</i>-Chapter 9-11	<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video
	2	11.1 Probability	SDAP 3.3	Practice Workbook/Enrichment/ Daily Puzzle/Guided Problem Solving/Reteaching/Graphic Organizer (Pages 125-132)	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Use realia to figure probability of random selection (m&ms, clips) • Practice with flipping a coin, rolling dice, spinners • Create a survey (what is favorite number from 1-20, favorite color, etc)
	2	11.2 Experimental Probability	SDAP 3.1 SDAP 3.2 MR 2.2	Practice Workbook/Enrichment/Daily Puzzle/Guided Problem Solving/Reading Comprehension (Pages 133-140)	
	2	11.3 Sample Spaces	SDAP 3.1 SDAP 3.2 MR 2.2 MR 2.5	Practice Workbook/Enrichment/Daily Puzzle/Guided Problem Solving (Pages 141-147)	
	2	11.4 Compound Events	SDAP 3.1 SDAP 3.2 SDAP 3.3 SDAP 3.4 SDAP 3.5 MR 2.7	Practice Workbook/Enrichment/Daily Puzzle (Pages 149-155)	
	2	11.5 Disjoint Events	SDAP 3.3 SDAP 3.4 MR 2.4	Practice Workbook/Enrichment/Daily Puzzle/Vocabulary Checks (Page 157-162)	
	1	Chapter 11 Review		Review and Test Material (Page 163-181)	
	1	Short Cycle Assessment 10 Due 4/18	SDAP 3.1 SDAP 3.3	Representing All Possible Outcomes for Compound Events in an Organized Way (e.g., tables, grids, tree diagrams) and Expressing Theoretical Probability of Each Outcome; Represent Probability as Ratios, Proportions, Decimals; Probability of an Event <i>Not</i> Occurring	



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4/16 – 5/1	12 Days	Chapter 9: Patterns and Rules		Page numbers apply to <i>All-in-One Teaching Resources</i>-Chapter 9-11	<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video
	2	9.1 Patterns and Graphs	MR 2.3	Practice workbook/Enrichment/Activity Lab/Daily Puzzle/Graphic Organizer (Pages 1-8)	<p align="center">English Learner Strategies</p> <ul style="list-style-type: none"> • Have pairs create patterns and get together with other pair to find the pattern • Have students place same data in different types of graphs • Provide objects have students create a word problem then make a table to go with it
	2	9.2 Patterns and Tables	MR 1.1 MR 1.2 MR 2.0 MR 3.1 MR 3.2	Practice Workbook/Enrichment/Activity Lab/Daily Puzzle (Pages 9-13)	
	2	9.3 Function Rules	NS 2.3 AF 2.3 MR 1.1	Practice Workbook/Enrichment/Activity Lab/Daily Puzzle (Pages 14-24)	
	2	9.4 Using Tables, Rules, and Graphs	AF 2.2	Practice Workbook/Enrichment/Activity Lab/Daily Puzzle/Reading Comprehension/Math Symbols (Pages 25-33)	
	2	9.5 Graphing Linear Equations	MG 2.3	Practice Workbook/Enrichment/Activity Lab/Daily Puzzle/Visual Vocabulary Practice/Vocabulary Review (Pages 35-40)	
	1	Chapter 9 Review		Review and Test Material (Pages 41-58)	
	1	Teacher Created Assessment (No Short Cycle Assessment)			
5/2-6/8 CST window	28 Days	Use Results of MDTP to reteach and prepare students for Pre-Algebra			



ALUM ROCK UNION ELEMENTARY SCHOOL DISTRICT
2011-2012 Pacing Guide for Pre-Algebra 7th Grade
Prentice Hall

Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
8/23/11 To 9/14/11	16	Chapter 1: Algebraic Expressions and Integers Focus Standard NS 1.2 (Integers)			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	Preliminary Class Activities/ Set up			<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Have students create flash cards with the vocabulary • Have students work in pairs to write and evaluate expressions • Elicit real life instances for application
	1	1.1 Variables and Expressions	AF 1.1 AF 1.4	Reteach 1.1	
	2	1.2 Order of Operations	NS 1.2	Puzzle 1.2	
	1	4.2 Exponents	AF 1.3	Activity 4.2	
	1	1.2 Order of Operations (Include Exponents)	NS 1.2	Reteach 1.2	
	1	1.3 Evaluating Expressions	AF 1.2	Activity 1.3	
	1	1.4 Integers and Absolute Value	NS 2.5, MR 2.5	Reteach 1.4	
	1	1.5 Adding Integers	NS 1.2 AF 1.3	Puzzle 1.5	
	2	1.6 Subtracting Integers	NS 1.2 AF 1.3	Reteach 1.6	
	2	1.9 Multiplying and Dividing Integers	NS 1.2	Reteach 1.9	
	1	Review Chapter 1 Concepts			
	1	Assessment#1 (Integers) Due 9/19	NS 1.2, NS 2.5		
9/15/11 To 10/4/11	14	Chapter 2: Solving One-Step Equations Focus Standard AF 1.3 (Solving Equations)			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	1-2	2.1 Properties of Numbers	AF 1.3, MR 2.6		<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Have students create cards, one with the word another with the definition, and play concentration matching them • Have groups create posters explaining the associative, commutative and distributive properties • Have students create a graphic organizer flow chart for
	2	2.2 The Distributive Property	AF 1.3	Reteach 2.1	
	2	2.3 simplifying Algebraic Expressions	AF 1.3 AF 1.4		
	2	2.4 Variables and Equations	AF 1.1 AF 1.4	Reteach 2.2	
	2	2.5 Solving Equations by Adding or Subtracting	AF 1.1 AF 1.3		
	2	2.6 Solving Equations by Multiplying or Dividing	AF 1.3	Puzzle 2.3	
	1	Review Chapter 2 Concepts		Enrichment 2.6	
	1	Assessment #2 (Solving Equations) Due 10/7	AF 1.3		

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Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
10/5/11 To 10/20/11	12	Chapter 3: Decimal and Equations Focus Standard NS 1.2 (Decimals)			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	1	3.1 Rounding and Estimating	NS 1.1, NS 1.2	Check Point Quiz 1	<p>English Learner Strategies</p> <ul style="list-style-type: none"> • Use word card responses when you say or show a phrase or symbol that represents <i>estimate</i>, <i>product</i>, <i>compatible numbers</i>, <i>round</i>, <i>dividend</i> <i>quotient</i> or <i>divisor</i> • Pair students one does a think aloud the other writes what is said • Have students make a page that looks like a check book give them make believe money have them put in a deposit. Then tell they to buy something and deduct from the balance.
	1	3.2 Estimating Decimal Products and Quotients	NS 1.2, MR 1.1, MR 2.1, MR 2.7	Reteach 3.2	
	1	3.4 Solving Equations by Adding or Subtracting Decimals	NS 1.2		
	2	3.5 Solving Equations by Multiplying or Dividing Decimals	NS 1.2		
	1	4.1 Divisibility and Factors	AF 1.4		
	2	4.3 Prime Factorizations and Greatest Common Factor	SDAP 1.1, MR 2.5, Prep for NS 2.2	Reteach 4.1	
	2	4.4 Simplifying Fractions	MR 2.5 Prep for NS 1.3, NS 1.5	Reteach 4.3	
	1	Review Chapter 3 Concepts		Reteach 4.4	
	1	Assessment #3 (Decimals) Due 10/25	NS 1.2		
11/21/11 To 11/14/11	16	Chapter 5: Solving One-Step Equations Focus Standards NS 1.2 (Fractions)			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	5.1 Comparing and Ordering Rational Numbers	NS 1.1, NS 1.2	Puzzle 5.1	<p>English Learner Strategies</p> <ul style="list-style-type: none"> • Create flash cards and play concentration, matching the vocabulary with the definitions • Have students create a rap using least, smallest, largest, and common multiple. • Have students make paper pizza, pies, and candy bars and cut into fractions to understand concept of largest and smallest
	1	5.2 Fractions and Decimals	NS 1.1, NS 1.3, NS 1.5	Puzzle 5.2	
	4	5.3 Adding and Subtracting Fractions	NS 1.2, NS 2.2, MR 2.1	Reteach 5.3	
	2	5.4 Multiplying or Dividing Fractions	NS 1.2, AF 1.3	Puzzle 5.4	
	2	5.7 Solving Equations by Adding or Subtracting Fractions	NS 1.2, NS 1.3, NS 2.2	Reteach 5.7	
	2	5.8	NS 1.2, NS 1.3, AF 1.3, MR 2.2	Reteach 5.8	
	1	Review Chapter 5 Concepts			
	2	INSPECT Blueprint Form A 11/7 Due 11/14 Assessment #4 (Fractions) Due 11/17	NS 1.2, NS 2.2, AF 1.3		

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Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
11/15/11 To 12/6/11	13	Chapter 7: Solving equations and Inequalities Focus Standards AF 1.3, AF 4.1			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	7.1 Solving Two-Step Equations	AF 4.1	Puzzle 7.1	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Pair students; one writes the steps to solve an equation then cuts into strips; the other arranges in correct order • Group four students to solve problems with one answer sheet so they need to agree • Have students bring in receipts with interest discuss how it works and show how an extra point makes a difference
	3	7.2 Solving Multi-Step Equations	AF 1.3	Puzzle 7.2	
	2	7.3 Two-Step Equations with Fractions and Decimals	NS 1.2, AF 4.1	Reteach 7.3	
	2	7.5 Solving Two-Step Inequalities	AF 1.1, AF 4.1, MR 2.8	Reteach 7.5	
	1	3.3 Using Formulas	AF 1.2, MG 2.1		
	1	7.6 Transforming Formulas	AF 4.2, MG 2.1		
	1	Review Chapter 7 Concepts			
	1	Assessment #5 (Solving Two-Step/Multi-Step Equations) Due 12/9	AF 1.3, AF 4.1		
12/7/11 To 12/16/11	8	Chapter 4: Factors, Fractions, and Exponents Focus Standard NS 2.3			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	1	4.6 Rational Numbers	NS 1.1, AF 1.2	Reteach 4.6	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Have students create flash cards with the vocabulary • Put students in groups of four to create posters clarifying exponents, factorization, simplifying fractions and rational numbers • Make the concepts maps and include examples
	2	4.7 Exponents and Multiplication	NS 2.1, NS 2.3, AF 2.1, AF 2.2, MR 1.2		
	1	4.8 Exponents and Division	NS 2.1, NS 2.3, AF 2.1, AF 2.2, MR 1.2	Reteach 4.7	
	2	5.9 Powers of Products and Quotients	NS 1.2, NS 2.3, AF 2.1, AF 2.2	Reteach 5.9	
	1	Review Chapter 4 Concepts	NS 1.2, NS 1.3, NS 2.2		
	1	Assessment #6 (Exponents) Due 1/4	NS 2.3, AF 2.1		

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Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
1/3/12 To 1/20/12	13	Chapter 6: Ratios, Proportions, and Percents Focus Standards NS 1.7 (Mark Ups/Discounts)			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	1	6.1 Ratios and Unit Rates	MG 1.1, MG 1.3, AF 4.2	Puzzle 6.1	<p>English Learner Strategies</p> <ul style="list-style-type: none"> • Have students create a matrix graphic organizer showing percents, proportions and equations (see p. 282C) • Create a gallery walk with charts of fractions, decimals and percents; pair students; one writes the problem the other puts it into another format • Find sale ads in the paper (% off) and have students figure out how much the items are after discount is taken
	2	6.2 Proportions	Prepares for NS 1.6	Puzzle 6.2	
	1	6.3 Similar Figures and Scale Drawings	MG 1.2	Puzzle 6.3	
	1	11.4 Reasoning Strategy: Write a Proportion	MG 1.2, MR 2.2		
	2	6.4 Fractions, Decimals, and Percents	NS 1.3	Reteach 6.4	
	1	6.5 Proportions and Percents	NS 1.3		
	1	6.6 Percents and Equations	NS 1.3	Puzzle 6.6	
	1	6.7 Percent of Change	NS 1.6		
	1	6.8 Markup and Discount	NS 1.6, NS 1.7		
	1	Review Chapter 6 Concepts			
	1	Assessment #7 (Mark Ups/Discounts) Due 1/25	NS 1.3, NS 1.7		
1/23/12 To 2/7/12	12	Chapter 8: Linear Functions and Graphing Focus Standard AF 3.3 (Slope/Graphing)			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	1.10 the Coordinate plane	MG 3.2, Prepares for AF 3.0, SDP 1.1	Reteach 1.10	<p>English Learner Strategies</p> <ul style="list-style-type: none"> • Have students create a graphic organizer with the terms relations, functions, slope, direct variation, reasoning strategy and linear inequalities putting in definitions and example • Pair students one creates a table the other graphs and then switch • Put up charts for gallery walk and on top of each write put five dollars; see which group comes up with the most combinations in a 5 minute time frame
	1	8.1 Relations and Functions	AF 1.4, AF 1.5		
	2	8.2 Equations with Two Variables	AF 3.3		
	2	8.3 Slope and y-intercept	AF 1.5, AF 3.3, AF 3.4	Reteach 8.3	
	1	8.6 Solving Systems of Linear Equations	AF 1.1, AF 1.5	Reteach 8.6	
	1	12.5 Scatter Plots	SDAP 1.1, SDAP 1.2		
	1	12.6 Solve by Graphing	SDAP 1.2, MR 2.3	Reteach 12.6	
	1	Review Chapter 8 Concepts			
	1	Assessment #8 (Slope/Graphing) Due 2/10	AF 3.3, AF 1.5		

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2/8/12 To 3/5/12	14	Various Chapters (2, 7, and 8): Inequalities Focus Standard AF 4.1 (Inequalities)			<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video Tutor
	2	2.8 Inequalities and Their Graphs	AF 1.1, AF 1.4	Puzzle 2.8	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> Give groups of four students one piece of paper to complete problems together Have students create a matrix for the steps to solve inequalities
	2	2.9 Solving by Adding or Subtracting	AF 1.1		
	2	2.10 Solving by Multiplying or Dividing	AF 1.1, MR 3.1	Reteach 2.10	
	2	7.5 Solving Two-Step Inequalities (“change of direction”)	AF 1.1, AF 4.1, MR 2.8	Reteach 7.5	
	2	8.7 Graphing Linear Inequalities	AF 1.1, AF 1.5, MR 3.1	Reteach 8.7	
	1	Review Chapter Concepts	NS 1.2, NS 1.3, NS 2.2		
	2 1	INSPECT Blueprint Form B 2/28 Due 3/2 Assessment #9 (Inequalities) Due 3/8	AF 1.1, AF 4.1		
3/6/12 To 3/15/12	8	Chapter 9: Spatial Thinking Focus Standard MG 3.6 (Focus on Geometric Figures and their Relationships)			<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video Tutor
	1	9.1 Introduction to Geometry: Points, Lines, and Planes	MG 3.1 MG 3.6	Enrichment 9.1	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> Create flash cards for vocabulary Have students copy the graphic organizer of basic geometric figures Have groups of four students create charts for: points, lines and planes; angle relationships and parallel lines; and classifying polygons
	1	9.2 Angle Relationships and Parallel Lines	MG 3.1	Puzzle 9.1	
	1	9.3 Classify Polygons	MG 2.1 MG 3.1	Puzzle 9.2	
	1	9.5 Congruence	MG 3.4		
	1	9.6 Circles	MG 2.1 MG 3.1	Reteach 9.6	
	1	9.9 Symmetry and Reflections	MG 3.2 MG 3.4		
	1	Review Chapter 9 Concepts			
	1	Assessment #10 (Focus on Geometric Figures and their Relationships) Due 3/20	MG 3.6, MG 3.1		

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Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
3/16/12 To 4/2/12	10	Chapter 10: Area and Volume			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	1	10.1 Area: Parallelograms	MG 2.1, MG 2.4, MG 3.1		<p>English Learner Strategies</p> <ul style="list-style-type: none"> • Have students create a graphic organizer to include parallelogram, trapezoid, prism, cylinders, pyramids, cones and sphere with a picture and definition • Create flash cards for vocabulary words • Have students bring in examples of the shapes from magazines or newspapers
	2	10.2 Area: Triangles and Trapezoids	MG 2.1, MG 2.2, MG 3.1		
	1	10.3 Area: Circles	MG 2.1, MG 2.2	Reteach 10.3	
	1	10.4 Space Figures	MG 3.5, MG 3.6		
	2	10.5 Surface Area: Prisms and Cylinders	MG 2.1, MG 2.3	Reteach 10.5	
	2	10.7 Volume: Prisms and Cylinders	MG 2.1		
	1	Review Chapter 10 Concepts and assess			
		Assessment #11 (Area and Volume) Due 4/4	MG 2.1, MG 2.3		
4/3/12 To 4/23/12	10	Chapter 11: Right Triangles in Algebra Focus Standard MG 3.3 (Pythagorean Theorem)			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	11.1 Square Roots and Irrational Numbers	NS 1.4, NS 11.5, NS 2.4	Reteach 11.1	<p>English Learner Strategies</p> <ul style="list-style-type: none"> • Have students create cards with vocabulary words to play concentration matching up word with definition of example • Put students in group of four each to chart one of the topics: square roots and irrational numbers, Pythagorean theorem, distance and midpoint formulas, reasoning strategy and graphing nonlinear functions • Have students create a rap using the terms: proportion, similar and perpendicular
	3	11.2 Pythagorean Theorem	NS 2.4, MG 3.3	Reteach 11.2	
	2	11.3 Distance and Midpoint Formulas	NS 2.4, MG 2.1, MG 3.1, MG 3.2, MG 3.3, MR 2.2, MR 3.2		
		135 th Day End of 3 rd Quarter			
	2	11.5 Graphing Nonlinear Functions	AF 2.2, AF 3.1, AF 3.2		
	1	Review Chapter 11 Concepts and assess			
		Assessment#12 (Pythagorean Theorem) Due 5/3	MG 3.3, NS 1.4		

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Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
4/24/12 To 5/11/12	11	Chapter 12: Data Analysis Focus Standard SDAP 1.3 (Finding Quartiles)			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
CST Window	2	12.1 Mean, Median, and Mode	SDAP 1.3 MR 2.6	Reteach 12.1	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Put up charts for gallery walk label with mean, median and mode; line graphs; box and whisker plots; stem and leaf plots; scatter plots have students walk around and place an example on each chart • Have students complete assignment on one paper as a group • Pair students have them create different graphs showing the same data
	2	12.2 Frequency Tables, Line Plots, and Histograms	SDAP 1.1		
	2	12.3 Box and Whiskers Plots	SADP 1.1 SDAP 1.3		
	1	12.4 Stem-and-Leaf Plots	SDAP 1.1	Reteach 12.3	
	2	5.5 Using Customary Units of Measurement	MG 1.1 MG 1.3	Reteach 12.4	
	1	Review Chapter 12 Concepts			
	1	Assessment #13 (Finding Quartiles) Due 5/16	SDAP 1.1, SDAP 1.3		
5/14/12 To 5/25/12	10	Various Chapters (Use Strategies, Skills, and Concepts for Finding Solutions)			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	3.6 Using the Metric System	MG 1.1		<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Create flash cards for concentration • Have groups of students create test questions then switch with other group to complete • Pair students to create patterns have them switch with other pair to see if they can figure out pattern
	1	3.7 Reasoning Strategy: Act It Out	MR 1.1, MR 2.2		
	1	1.7 Inductive Reasoning	MR 1.2 MR 2.4 MR 2.5	Reteach 3.7	
	1	1.8 Reasoning Strategy: Look for a Pattern	MR 1.1		
	1	4.5 Reasoning Strategy: Solve a Simpler Problem	MR 1.3		
	1	4.9 Scientific Notation	NS 1.1	Reteach 4.9	
	1	5.6 Work Backwards	NS 1.2, MR 1.1, MR 2.4, MR 2.5		
	1	Review Chapter Concepts			
1	Assessment # 14 (Use Strategies, Skills, and Concepts for Finding Solutions) Due 5/31	MR 1.0, MR 2.0			

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Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
5/29/12 To 6/8/12	9	Various Chapters Focus Standard AF 4.2 (Reasoning Strategies)			<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video Tutor
	1	6.9 Applications of Rational Numbers	NS 1.2, MR 2.5, MR 3.3	Enrichment 6.9	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> Pair students to make up problems for their partners to solve Have four students complete problems on one answer sheet Have students create a rap using rational numbers, reasoning strategy, simple and compound interest, variation and translations
	1	6.10 Reasoning Strategy: Make a Table	NS 1.2, MR 2.5	Puzzle 6.9	
	1	7.4 Reasoning Strategy: Write an Equation	AF 1.1, AF 4.1, AF 4.2		
	1	7.7 Simple and Compound Interest	NS 1.7		
	1	8.4 Direct Variation	AF 3.3, AF 3.4, AF 4.2	Reteach 7.7	
	1	8.5 Reasoning Strategy: Use Multiple Strategies	AF 4.1, MR 2.5, MR 3.3		
	2	9.8 Translations	MG 1.2 MG 3.2 MG 3.4		
	1	Review Chapter Concepts and assess			
		Assessment #15 (Reasoning Strategies) Due 6/8	NS 1.2, NS 1.7, AF 4.2		

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- Access to the textbook, workbook, and other resources may be obtained online via www.pearsonsuccessnet.com
- ISBN for Pre-Algebra: 978-0-13-203127-1 ISBN for Algebra Readiness: 978-0-13-350027-1

Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
8/23/11 To 9/9/11	13	Chapter 1: Variables and Algebra Expressions			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	3	Preliminary Class Activities/ Set up			<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Create flash cards of terms with examples • Use graphic organizers to clarify <p>Pair students to practice the language and explaining rounding and compatible numbers</p>
	1	1.1 Numerical Expressions	NS 1.2		
	1	1.2 Algebraic Expressions	NS 1.2	Expressions and Equations	
	2	1.3 Writing Expressions	AF 1.1		
	2	1.5 Properties of Numbers	AF 1.3		
	2	1.6 The Distributive Property	AF 1.3	Distributive Property	
	1	Review Chapter 1 concepts			
	1	Alum Rock Chapter 1 Assessment #1 Due 9/14			
9/12/11 To 9/29/11	14	Chapter 2: Integers and Absolute Value			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	2.1 Integers and Absolute Value	Prepares for NS 2.1, Alg1 2.1	Reteach 2.1	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Have students act out by holding colored paper and taking away by sitting down • Have students practice reading orally to promote academic language and understanding • Use cards to write rules to multiply and divide integers using words and symbols
	2	2.2 Adding Integers / 2.2a Lab	NS 1.2, AF 1.3		
	2	2.3 Subtracting Integers / 2.3a Lab	NS 1.2, Alg1 2.0	Reteach 2.3	
	2	2.4 Multiplying Integers * Please include variables (e.g. $(5x^2)(3x^3) =$)	NS 1.2		
	1	2.5 Dividing Integers	NS 1.2	Chapter Project "Weather or Not"	
	2	2.6 Positive Exponents	NS 1.2, AF 2.1		
	1	Pre-Algebra textbook: 3.3 Using Formulas	MG 2.1		
	1	Review Chapter 2 concepts			
	1	Alum Rock Chapter 2 Assessment #2 Due 10/4			

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Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
9/30/11 To 10/21/11	16	Chapter 3: Equations and Applications			<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video Tutor
	2	3.1 Solving Addition Equations	AF 1.1, AF 1.3	Puzzle 3.1	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> Have students practice the language by reading the equations out loud Pair students to find solutions together Fill in a KWL chart
	2	3.2 Solving Subtraction Equations	AF 1.1, AF 1.3	Enrichment 3.1	
	2	3.3 Solving Multiplication and Division Equations	AF 1.1, AF 1.3	Puzzle 3.2	
	2	3.4 Solving Two-Step Equations	AF 1.1, AF 4.1	Expression and Equations Online	
	2	3.5 Square Roots	NS 1.2, Alg1 2.0	Puzzle 3.4	
	2	3.6 The Pythagorean Theorem	NS 1.2, MG 3.3, Alg1 2.0	Reteach 3.6	
	2	3.7 Using the Pythagorean Theorem and Activity Lab	NS 1.2, MG 3.3, Alg1 2.0	Puzzle 3.6	
	1	Review Chapter 3 concepts			
	1	Alum Rock Chapter 3 Assessment #3 Due 10/26/11			
10/24/11 To 11/10/11	14	Chapter 4: Rational Numbers			<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video Tutor
	2	4.1 Prime Factorization * Please include variables (e.g. 9X, 45XY ²)	NS 2.1, AF 2.1	Reteach 4.1	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> Pair students to explain how to solve problems in different ways Use realia to create real life examples Have students create a rap for LCM and LCD
	2	4.2 The Greatest Common Denominator * Please include variables (e.g. 4X ²)	NS 1.2	Reteach 4.2 Enrichment 4.2	
	3	4.3/4.3a Equivalent Fractions * Please include variables $\frac{ad}{bd} = \frac{a\cancel{d}}{b\cancel{d}} = \frac{a}{b}$ (e.g. $\frac{ad}{bd} = \frac{a\cancel{d}}{b\cancel{d}} = \frac{a}{b}$)	NS 1.2, NS 1.5	Reteach 4.3	
	2	4.4 Equivalent Forms of Rational Numbers	NS 1.3, NS 1.5	Real Number Line	
	1	Review Chapter 4 concepts			
	1	Alum Rock Chapter 4 Assessment #4 Due 11/15			
	3	INSPECT Blueprint Form A Due 11/14			

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Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
11/14/11 To 12/7/11	15	Chapter 5: Rational Number Operations			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	5.1 Adding Rational Numbers	NS 2.1, NS 1.3	Puzzle 5.1	<p align="center">English Learner Strategies</p> <ul style="list-style-type: none"> • Have students draw a number line to practice • Have students use pictures and symbols to explain why the product is less than the factors when multiplying two positive fractions less than 1 • Practice using the word reciprocal and try to rhyme words with it
	2	5.2 Subtracting Rational Numbers / 5.2a Lab	NS 1.2 NS 1.5	Enrichment 5.2	
	2	5.3 Multiplying Rational Numbers * Please include variables (e.g. $(5x^2)(3x^3) =$)	NS 1.2 AF 2.1	Fractions – Multiplying Fractions	
	2	5.4 Dividing Rational Numbers	NS 1.2 NS 1.5, Alg1 2.0	Reteach 5.3 Puzzle 5.4	
	2	5.5 Solving Equations by Adding or Subtracting	AF 1.1 AF 1.3	Activity Lab 5.5	
	2	5.6 Solving Equations by Multiplying	AF 1.1 AF 1.3, AF 4.1	Reteach 5.6	
	1	5.7 Zero and Negative Exponents	NS 2.1 AF 2.1	Puzzle 5.7 Reteach 5.7	
	1	Review Chapter 5 concepts Vocabulary Review		Puzzle 5F	
	1	Alum Rock Chapter 5 Assessment #5 Due 12/12			

Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
12/8/11 To 1/5/12	10	Chapter 6: Rates and Proportions			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	6.1 Ratios	AF 3.4, AF 4.2	Puzzle 6.1, Reteach 6.1	<p align="center">English Learner Strategies</p> <ul style="list-style-type: none"> • Have students draw examples of the problem • Show with newspaper ads that sometimes the better buy is the smaller quantity • Use cut outs to see if shapes are congruent
	2	6.2 Rates	AF 4.2, MG 1.3	Reteach 6.2	
	2	6.3 Dimensional Analysis			
	2	6.4 Applications of Rates			
	1	Review Chapter 6 concepts			
	1	Alum Rock Chapter 6 Assessment #6 Due 1/10			

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Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
1/6/12 To 1/24/12	12	Chapter 7: Integers and Absolute Value			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	7.1 Fractions, Decimals, and Percents	NS 1.3	Converting: Fractions and Decimals	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Have students practice the language by using a sentence frame explaining how to change a % to decimal • Have students write the numbers on index cards and move them to understand the concept • Have students create their own circle graphs using a survey question of their choice
	1	7.2 Finding a Percent of a Number	NS 1.3 MR 2.7	Reteach 7.1, Puzzle 7.1	
	2	7.3 Percents and Proportions	NS 1.3	Reteach 7.2	
	2	7.4 Percent Change	NS 1.3	Reteach 7.3	
	3	7.5 Applications of Percents 7.5b Simple Interest	NS 1.3 NS 1.7	Reteach 7.4, Puzzle 7.4	
	1	Review Chapter 7 concepts			
	1	Alum Rock Chapter 7 Assessment #7 Due 1/27			

Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
1/25/12 To 2/3/12	8	Chapter 8: Rates and Proportions			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	8.1 Graphing in the Coordinate Plane	AF 3.3	Puzzle 8.1, Reteach 8.1	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Have students graph with two colored markers one for “x” coordinates and one for “y” • Create a sentence frame with “the value of the function F at the input N” and have students read it to each other • Model and use real life situations
	2	8.4 Graphing Linear Functions	AF 3.3 AF 3.4	Family of Linear Functions	
	2	8.5 Slope	AF 3.3, AF 3.4		
	1	Review Chapter 8 concepts			
	1	Alum Rock Chapter 8 Assessment #8 Due 2/8			

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Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
2/6/12 To 2/15/12	8	Chapter 9: Inequalities			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	1	9.1 Writing Inequalities	AF 1.1		<p>English Learner Strategies</p> <ul style="list-style-type: none"> • Have students draw number lines to understand greater than or less than • Have students create flash cards • Pair students up to create and solve problems together
	1	9.2 Solving Inequalities by Adding or Subtracting	AF 1.1 AF 4.1	Activity Lab 9.2	
	1	9.3 Solving Inequalities by Dividing	AF 1.1 AF 4.1	Activity Lab 9.3 Reteach 9.3	
	1	9.4 Solving Inequalities by Multiplying	AF 1.1 AF 4.1	Puzzle 9.3	
	2	9.5 Solving Two-Step Inequalities	AF 1.1, AF 4.1	Puzzle 9.4 Reteach 9.5	
	1	Review Chapter 9 concepts			
	1	Alum Rock Chapter 9 Assessment #9 Due 2/17			

Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
2/16/12 To 3/16/12	14	Chapter 10: Exponents and Equations			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	10.1 Properties of Exponents	NS 2.1, AF 2.1 Alg1 2.0	Puzzle 10.1	<p>English Learner Strategies</p> <ul style="list-style-type: none"> • Pair students- one does the operation the other does the inverse and switch • Have students create a chant using the words for power, exponent and product include their meanings • Pair students up to create charts of squares, cubes and fourth powers of integers from 1-5
	2	10.2 Power Rules	NS 2.1, AF 2.1 Alg1 2.0	Reteach 10.1 Activity Lab 10.2	
	2	10.3 Exploring Roots	Alg1 2.0	Reteach 10.2 Puzzle 10.2	
	2	10.4 Simplifying Algebraic Expressions	AF 1.0 Alg1 4.0	Reteach 10.3 Puzzle 10.3	
	2	10.5 Solving Multiple-Step Equations	Alg1 4.0, Alg1 5.0	Activity Lab 10.4	
	2	10.6 Solving Equations with Variables on Both Sides	Alg1 4.0 Alg1 5.0	Reteach 10.5	
	3	INSPECT Blueprint Form 8 Give 2/28 Due 3/2			
	1	Review Chapter 10 concepts			
	1	Alum Rock Chapter 10 Assessment #10 Due 3/21			

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PRE-ALGEBRA TEXTBOOK

Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
3/19/12 To 4/6/12	14	Chapter 10: Area and Volume			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	10.1 Area: Parallelograms	MS 2.1		English Learner Strategies
	2	10.2 Area: Triangles and Trapezoids	MS 2.1		
	2	10.3 Area: Circles	MS 2.1		
	2	10.4 Space Figures	MS 2.1		
	2	10.5 Surface Area: Prisms and Cylinders	MS 2.1		
	2	10.7 Volume: Prisms and Cylinders	MS 2.1		
	1	Review Chapter 10 concepts			
	1	Alum Rock Chapter 10 (Pre-Algebra) Assessment #11 Due 4/18			

Dates	Days	Topics: Content & Assessments	CA Content Standards	Supplemental Resources	English Learner Resources
4/16/12 To 4/27/12	10	Chapter 12: Data Analysis			<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	12.1 Mean, Median, and Mode	Grade 6: SDAP 1.1		English Learner Strategies
	2	12.3 Box-and-Whisker Plots	Grade 7: SDAP 1.1		
	2	12.4 Stem-and-Leaf Plots	Grade 7: SDAP 1.1		
	2	12.5 Scatter Plots	Grade 7: SDAP 1.2		
	1	Review Chapter 12 concepts			
	1	Alum Rock Chapter 12 (Pre-Algebra) Assessment #12 Due 4/30			

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Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
4/30/12 To 5/18/12		REVIEW FOR CST		<ul style="list-style-type: none"> CST Released Questions CAHSEE Study Guide Chapter Assessments Gen Math Blueprints 	English Learner Strategies
		CST WINDOW			
5/21/12 To 6/8/12		Use the CAHSEE Study Guide to prepare students for high school			

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Dates	Days	CA Content Standards	Algebra I Textbook	Resources	English Learner Resources
8/23/11 To 9/15/11	17	Tools of Algebra	Chapter 1: Tools of Algebra		<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video Tutor
	3	Class Activities/Set up			<p>English Learner Strategies</p> <ul style="list-style-type: none"> Create a sentence on a sentence strip, cut up words and mix them up. Have students see changing the order changes the meaning. Have students write how to do the problems in a flow chart graphic organizer Have students create and fill in a Venn diagram (pg. 18) Have students write a rap using the terms commutative and associative properties
	2	7 th AF 1.1	1.1 Using Variables	Workbook: Practice 1-1	
	2	25.2	1.2 Exponents and Order of Operations	Workbook: Practice 1-2	
	1	1.0 1.1 2.0	1.3 Exploring Real Numbers	Workbook: Practice 1-3	
	2	1.0 2.0	1.4/1.5 Adding and Subtracting Real Numbers	Workbook: Practice 1-4 Workbook: Practice 1-5	
	1	1.0 2.0	1.6 Multiplying and Dividing Real Numbers	Workbook: Practice 1-6	
	2	1.0 4.0 10.0	1.7 The Distributive Property <ul style="list-style-type: none"> Area model is key Connect Distribution to Factoring	Workbook: Practice 1-7	
	1	1.0 1.1 24.1	1.8 Properties of Numbers <ul style="list-style-type: none"> Revisit continuously Commutative Property of Addition (have students explain why there is no commutative Property of Subtraction this explains why we change all subtraction to adding the opposite)	Workbook: Practice 1-8	
	1	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	1	Review Chapter 1 concepts			
	1	Chapter 1 Test Prentice Hall Math Assessment (p. 62) Due 9/20			

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Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
9/16/11 To 9/29/11	10	Standard 2: Number Properties, Operations, and Linear Equations	Chapter		<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video Tutor
	½	SWBAT take the opposite (additive inverse)	1-4	Textbook: pg. 24 for example/definition	<p>English Learner Strategies</p> <ul style="list-style-type: none"> Use mnemonic: a number <i>down</i> in the denominator means divide by that number Have students problem solve in pairs Make flash cards with the vocabulary words Assign groups a different standards-negative exponents, scientific notation, multiplication properties of exponents and division properties of exponents have them create a poster and explain to class
	½	SWBAT find the reciprocal (multiplicative inverse)	1-6	Textbook: pg. 40 for example/definition	
	1	SWBAT take a root (square root and cube root)			
	1	SWBAT raise to a fractional power		Raise to ½ power = take square root Raise to 1/3 power = take cube root	
	4	SWBAT know the rules of exponents	7-1, 7-3, 7-4, 7-5		
	1	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	1	Review Standard 2 concepts			
	1	Assessment #1 Standard 2.0 Due 10/3			

Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
9/30/11 To 10/7/11	6	Standard 4: Number Properties, Operations, and Linear Equations	Chapter		<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video Tutor
	2	SWBAT simplify expressions prior to solving linear equations (e.g., $3(2x-5)+4(x-2)=12$)	1-7	Workbook: Practice 1-7 Teaching Resources: Reteach 1-7	<p>English Learner Strategies</p> <ul style="list-style-type: none"> Have students discover other meanings for the term distributive.
	1	SWBAT simplify expressions prior to solving linear inequalities			
	1	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	1	Review Standard 4 concepts			
	1	Assessment #2 Standard 4.0 Due 10/15			

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Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
10/10/11 To 10/25/11	12	Standard 5: Number Properties, Operations, and Linear Equations	Chapter		<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	3	SWBAT solve multistep problem	2-1, 2-2, 2-3	Workbook: Practice 2-1, 2-2, 2-3	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Pair students to write equations using a table they create • Have students draw diagrams to organize and solve problems
	2	SWBAT solve word problems	2-4	Workbook: Practice 2-4	
	3	SWBAT solve linear equations	3-1, 3-2, 3-3	Workbook: Practice 3-1, 3-2, 3-3	
	1	SWBAT solve linear inequalities in one variable	3-4	Workbook: Practice 3-4	
	Embedded	SWBAT provide justification for each step		Refer to textbook's justification for each example i.e. pg. 76 Example 1	
	1	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	1	Review Standard 5 concepts			
	1	Assessment #3 Standard 5.0 Due 10/31			

Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
10/26/11 To 11/14/11	13	Standard 6: Graphing and Systems of Linear Equations	Chapter		<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	4	SWBAT graph a linear equation (e.g., $2x + 6y = 4$)	4-1, 5-1, 5-2, 5-3	Workbook: Practice 4-1 Workbook: Practice 5-1 Workbook: Practice 5-2 Workbook: Practice 5-3	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> • Give groups of four students one answer sheet to be filled in together
	1	SWBAT compute the x- and y- intercepts	5-2		
	2	SWBAT sketch the region defined by linear inequalities (e.g., $2x + 6y < 4$)	6-5, 6-6	Workbook: Practice 6-5 Workbook: Practice 6-6	
	1	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	2	INSPECT Blueprint Assessment Form A Give 11/7 Due 11/14			
	1	Review Standard 6 concepts			
	1	Assessment #4 Standard 6.0 Due 11/17			

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Dates	Days	CA Content Standards	Textbook Chapter	Resources	English Learner Resources
11/15/11 To 11/22/11	6	Standard 7: Graphing and Systems of Linear Equations			<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video Tutor
	1	SWBAT verify if a point lies on a line, given an equation of the line	5-4	Workbook: Practice 5-4	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> Have students problem solve in pairs
	2	SWBAT derive linear equations using the point-slope formula	5-4	Workbook: Practice 5-4	
	1	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	1	Review Standard 7 concepts			
	1	Assessment #5 Standard 7.0 Due 11/30			

Dates	Days	CA Content Standards	Textbook Chapter	Resources	English Learner Resources
11/28/11 To 12/12/11	11	Standard 9: Graphing and Systems of Linear Equations			<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video Tutor
	2	SWBAT interpret the answer graphically	6-1	Workbook: Practice 6-1	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> Create flash cards with the vocabulary words; highlight the prefixes in different colors
	4	SWBAT solve a system of two linear equations in two variables algebraically	6-2, 6-3	Workbook: Practice 6-2, 6-3	
	1	SWBAT solve a system of two linear inequalities in two variables	6-5	Workbook: Practice 6-5	
	1	SWBAT sketch the solution sets of a system of two linear inequalities	6-6	Workbook: Practice 6-6	
	1	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	1	Review Standard 9 concepts			
	1	Assessment # 6 Standard 9.0 Due 12/15			

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Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
12/13/11 To 1/12/12	12	Standard 10: Quadratics and Polynomials	Chapter		<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	1	SWBAT add monomials and polynomials	8-1	Workbook: Practice 8-1	English Learner Strategies <ul style="list-style-type: none"> • Create flash cards with the vocabulary words • Teach the mnemonic FOIL (first, outer, inner and last) for multiplying binomials • Assign groups a different standards-adding and subtracting polynomials, multiplying and factoring, multiplying binomials, factoring trinomials have them create a poster and explain to class
	1	SWBAT subtract monomials and polynomials	8-1	Workbook: Practice 8-1	
	4	SWBAT multiply monomials and polynomials	8-2, 8-3, 8-4	Workbook: Practice 8-2, 8-3, 8-4	
	2	SWBAT divide monomials and polynomials	11-3	Workbook: Practice 11-3	
	Embedded	SWBAT solve multistep problems using these techniques			
	Embedded	SWBAT solve word problems using these techniques			
	2	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	1	Review Standard 10 concepts			
	1	Assessment #7 Standard 10.0 Due 1/17			

Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
1/13/12 To 1/25/12	8	Standard 14: Quadratics and Polynomials	Chapter		<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	SWBAT solve quadratic equation by factoring	9-5	Workbook: Practice 9-5	English Learner Strategies <ul style="list-style-type: none"> • Create rational expression index cards (6 of each for groups of four) with a matching set of simplification of the expressions - students play concentration matching cards
	3	SWBAT solve quadratic equation by completing the square	9-6	Workbook: Practice 9-6	
	1	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	1	Review Standard 14 concepts			
	1	Assessment # 8 Standard 14.0 Due 1/30			

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Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
1/26/12 To 2/1/12	5	Standard 19: Quadratics and Polynomials	Chapter		<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video Tutor
	1	SWBAT know the quadratic formula	9-7		<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> Use real world examples to model Bring in visuals of bungee jumping and fireworks
	1	SWBAT be familiar with its proof by completing the square	9-6	Refer back to lesson 9-6	
	1	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	1	Review Standard 19 concepts			
	1	Assessment # 9 Standard 19.0 Due 2/3			

Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
2/2/12 To 2/8/12	5	Standard 20: Quadratics and Polynomials	Chapter		<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video Tutor
	1	SWBAT solve quadratic equations	9-4	Workbook: Practice 9-4	<p style="text-align: center;">English Learner Strategies</p> <ul style="list-style-type: none"> Create the quadratic formula on different mediums Have students create a rap for diagonal, vertex, dominant, and recessive
	1	SWBAT use the quadratic formula to find the roots of a second-degree polynomial	9-7	Workbook: Practice 9-7	
	1	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	1	Review Standard 20 concepts			
	1	Assessment #10 Standard 20.0 Due 2/13			

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Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
2/9/12 To 2/29/12	9	Standard 21: Quadratics and Polynomials	Chapter		<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	3	SWBAT graph quadratic functions	9-1, 9-2	Workbook: Practice 9-1, 9-2	English Learner Strategies <ul style="list-style-type: none"> • Create flash cards with the vocabulary words; highlight the prefixes in different colors • Have students create a rap for diagonal, vertex, dominant, and recessive • Have them create a poster and explain to class
	Embedded	SWBAT know that their roots are the x-intercepts			
	1	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	2	Review Standard 21 concepts			
	3	INSPECT Blueprint Form B Give 2/28 Due 3/2			
	1	Assessment #11 Standard 21.0 Due 3/5			

Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
3/1/12 To 3/9/12	7	Standard 23: Quadratics and Polynomials	Chapter		<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	SWBAT apply quadratic equations to physical problems	9-7	Workbook: Practice 9-7	English Learner Strategies <ul style="list-style-type: none"> • Have students problem solve in pairs • Have students draw out the problems
	2	SWBAT apply quadratic equations to the motion of an object under the force of gravity	9-7	Workbook: Practice 9-7	
	1	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	1	Review Standard 23			
	1	Assessment #12 Standard 23.0 Due 3/14			

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Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
3/12/12 To 3/19/12	6	Standard 12: Functions and Rational Expressions	Chapter		<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	3	SWBAT simplify fractions with polynomials in the numerator and denominator by factoring	11-1	Workbook: Practice 11-1	English Learner Strategies <ul style="list-style-type: none"> • Have students problem solve in pairs • Have students cover up the denominator while factoring the numerator and vice versa before simplifying
	Embedded	SWBAT reduce the answer to the lowest terms			
	1	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	1	Review Standard 12			
	1	Assessment # 13 Standard 12.0 Due 3/22			

Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
3/20/12 To 4/6/12	12	Standard 13: Functions and Rational Expressions	Chapter		<ul style="list-style-type: none"> • All-In-One Teaching Resources • Multilingual Handbook • Online Homework Video Tutor
	2	SWBAT multiply rational expressions and functions	11-2	Workbook: Practice 11-2	English Learner Strategies <ul style="list-style-type: none"> • Create flash cards with the vocabulary words; highlight the prefixes in different colors • Have students create a rap for diagonal, vertex, dominant, and recessive
	1	SWBAT divide rational expressions and functions	11-2	Workbook: Practice 11-2	
	2	SWBAT add rational expressions and functions	11-4	Workbook: Practice 11-4	
	1	SWBAT subtract rational expressions and functions	11-4	Workbook: Practice 11-4	
	2	SWBAT solve both computationally and conceptually challenging problems	11-5	Workbook: Practice 11-5	
	2	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	1	Review Standard 13 concepts			
	1	Assessment #14 Standard 13.0 Due 4/16			

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Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
4/16/12 To 5/18/12	12	Standard 15: Functions and Rational Expressions	Chapter		<ul style="list-style-type: none"> All-In-One Teaching Resources Multilingual Handbook Online Homework Video Tutor
CST Window	3	SWBAT solve rate problems	2-5	Workbook: Practice 2-5	English Learner Strategies <ul style="list-style-type: none"> Create flash cards with the vocabulary words; highlight the prefixes in different colors Have students create a rap for diagonal, vertex, dominant, and recessive
	3	SWBAT solve percent mixture problems	2-6	Workbook: Practice 2-6	
	2	SWBAT solve work problems	11-5	Workbook: Practice 11-5	
	2	Catch Up/Review/Differentiate/Teach Non-Key Standards			
	1	Review Standard 15 concepts			
1	Assessment # 15 Standard 15.0 Due 5/4				

Dates	Days	CA Content Standards	Textbook	Resources	English Learner Resources
4/16/12 To 5/18/12		REVIEW FOR CST		<ul style="list-style-type: none"> CST Released Questions CAHSEE Study Guide Essential Standard Assessments Algebra 1 Blueprints 	English Learner Strategies
		CST WINDOW			
5/21/12 To 6/8/12		Use the CAHSEE Study Guide to prepare students for high school			

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Non-Key Algebra I Standards



<p>Number Properties, Operations, and Linear Equations</p>	<p>1.0 SWBAT --- identify and use the arithmetic properties of subsets of integers and rational, irrational, and real numbers, including closure properties for the four basic arithmetic operations</p> <p>1.1 SWBAT --- use properties of numbers to demonstrate whether assertions are true or false</p> <p>3.0 SWBAT --- solve equations involving absolute values --- solve inequalities involving absolute values</p> <p>24.0 SWBAT --- use and know simple aspects of a logical argument</p> <p>24.1 SWBAT --- explain the difference between inductive and deductive reasoning --- identify and provide examples of each.</p> <p>24.2 SWBAT --- identify the hypothesis in logical deduction --- identify the conclusion in logical deduction</p> <p>24.3 SWBAT --- use counterexamples to show that an assertion is false --- recognize that a single counterexample is sufficient to refute an assertion</p> <p>25.0 SWBAT --- use properties of the number system to judge the validity of results --- use properties of the number system to justify each step of a procedure --- use properties of the number system to prove or disprove statements</p> <p>25.1 SWBAT --- use properties of numbers to construct simple, valid arguments (direct and indirect) for claimed assertion --- formulate counterexamples to claimed assertion</p> <p>25.2 SWBAT --- judge the validity of an argument according to whether the properties of the real number system and the order of operations have been applied correctly at each step.</p> <p>25.3 SWBAT --- determine whether the statement is true sometimes, always, or never given a specific algebraic statement involving linear,</p>
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	quadratic, or absolute value expressions or equations or inequalities
Graphing and Systems of Linear Equations	<p>8.0 SWBAT</p> <ul style="list-style-type: none"> --- understand the concepts of parallel lines --- understand the concepts of perpendicular lines --- understand how those slopes are related --- find the equation of a line perpendicular to a given line that passes through a given point
Quadratics and Polynomials	<p>11.0 SWBAT</p> <ul style="list-style-type: none"> --- apply basic factoring techniques to second- and simple third-degree polynomials --- find a common factor for all terms in a polynomial --- recognize the difference of two squares --- recognize perfect squares of binomials <p>22.0 SWBAT</p> <ul style="list-style-type: none"> --- use the quadratic formula to determine whether the graph of a quadratic function will intersect the x-axis in zero, one, or two points. --- use factoring techniques to determine whether the graph of a quadratic function will intersect the x-axis in zero, one, or two points.
Functions and Rational Expressions	<p>16.0 SWBAT</p> <ul style="list-style-type: none"> --- understand the concepts of a relation --- understand the concepts of a function --- determine whether a given relation defines a function --- give pertinent information about given relations and functions <p>17.0 SWBAT</p> <ul style="list-style-type: none"> --- determine the domain of independent variables defined by a graph, a set of ordered pairs, or a symbolic expression. --- determine the range of dependent variables defined by a graph, a set of ordered pairs, or a symbolic expression. <p>18.0 SWBAT</p> <ul style="list-style-type: none"> --- determine whether a relation defined by a graph, a set of ordered pairs, or a symbolic expression is a function --- justify the conclusion