

Hayward Unified School District (HUSD) 2009-10

Suggested Pacing Guide for Grade 7

Text: McDougal Littell: *Pre-Algebra*

Time/ # of days	Topics: Content & Assessment	CA Content Standards
10	Chapter 1: Integers, Equations, and Inequalities (Part 1)	
2	Course Expectations/Book Distribution	
2	1.1 Expressions and Variables	AF 1.1 AF 1.4
2	1.2 Powers and Exponents	AF 2.1 NS 1.2
2	1.3 Order of Operations	AF 1.2 MR 1.1
2	Review and Assessment	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
10	Chapter 1: Integers, Equations, and Inequalities (Part 2)	
1	1.4 Comparing and Ordering Integers	NS 1.1 NS 2.5
2	1.5 Adding Integers	NS 1.2
2	1.6 Subtracting Integers	NS 1.2
1	1.7 Multiplying and Dividing Integers	NS 1.2
2	1.8 Coordinate Plane	AF 1.4
2	Review & Assessment	2

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
12	Chapter 2: Solving Equations	
1	2.1 Properties and Operations	AF 1.3, MG 1.3
2	2.2 The Distributive Property	AF 1.3
2	2.3 Simplifying Variable Expressions	AF 1.3, AF 1.4
2	2.4 Variables and Equations	AF 1.1
1	2.5 Solving Equations Using Addition or Subtraction	AF 4.1
1	2.6 Solving Equations Using Multiplication or Division	AF 4.1
1	2.7 Decimal Operations and Equations with Decimals	NS 1.2 AF 1.1
2	Review & Assessment	

10	Chapter 3 : Multi-Step Equations and Inequalities	
2	3.4 Solving Inequalities Using Addition or Subtraction	AF 1.1
2	3.5 Solving Inequalities Using Multiplication or Division	AF 1.1
2	3.1 Solving Two-Step Equations	AF 1.1 AF 4.1
2	3.2 Solving Equations Having Like Terms and Parentheses	AF 1.1 AF 4.1
2	Review & Assessment	

End of 1st Quarter

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
11	Chapter 4: Factors, Fractions and Exponents	
1	4.1 Factors and Prime Factorization	Gr 6 NS 2.4
1	4.2 Greatest Common Factor	Gr 6 NS 2.4
1	4.3 Equivalent Fractions	AF 1.3
1	4.4 Least Common Multiple Teach Bubble Method	Gr 6 NS 2.4
1	4.5 Rules of Exponents	NS 2.3 AF 2.2
1	12.5 Other Rules of Exponents	NS 2.3 AF 2.2
2	4.6 Negative and Zero Exponents	NS 2.1 AF 2.2
1	4.7 Scientific Notation	NS 1.1
2	Review & Assessment	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
9	Chapter 5: Rational Numbers and Equations (Part 1)	
1	5.1 Rational Numbers	NS 1.3, NS 1.5
1	5.4 Multiplying Fractions	NS 1.2
2	5.5 Dividing Fractions	NS 1.2
1	5.2 Adding and Subtracting Like Fractions	NS 1.2
2	5.3 Adding and Subtracting Unlike Fractions	NS 2.2 MR 2.1
2	Review & Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
10	Chapter 5: Rational Numbers and Equations (Part 2)	
2	5.6 Using Multiplicative Inverses to Solve Equations	AF 4.1 AF 1.1
2	5.7 Equations and Inequalities with Rational Numbers Teach clearing the denominator & clearing decimals	AF 4.1
2	3.3 Solving Equations with Variables on Both Sides	Alg. 5.0
2	3.6 Solving Multi-Step Inequalities	AF 4.1
2	Review & Assessment	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
9	Chapter 6: Ratio, Proportion, and Probability	
2	6.1 Ratios and Rates	MG 1.3 NS 1.1
1	6.2 Writing and Solving Proportions	AF 4.2
1	6.3 Solving Proportions Using Cross Products	AF 4.2
2	6.4 Similar and Congruent Figures	MG 3.4
1	6.6 Scale Drawings	MG 1.2
2	Review & Assessment	

Mid Year Exam

End of 2nd Quarter

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
11	Chapter 7: Percents	
1	7.1 Percents and Fractions	NS 1.3
1	7.2 Percents and Proportions	NS 1.3, MR 2.1
1	7.3 Percents and Decimals	NS 1.3
1	7.4 The Percent Equation	NS 1.3 NS 1.7
1	7.5 Percent of Change	NS 1.6 MR 2.1
2	7.6 Percent Applications	NS 1.7
2	7.7 Simple and Compound Interest	NS 1.7
2	Review & Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
11	Chapter 8: Linear Functions	
1	8.1 Relations and Functions	Alg. 16.0
2	8.2 Linear Equations in Two Variables	AF 3.3
1	8.3 Using Intercepts	AF 3.3
1	8.4 The Slope of a Line	AF 3.3 AF 3.4
1	8.5 Slope-Intercept Form	Alg 8.0 AF 3.3
2	12.6 Graphing Quadratic & Cubic: $y = ax^2$, $y = ax^3$	AF 1.5, 3.0
1	Families of Functions	AF 1.5, 3.0
2	Review & Assessment	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
7	Chapter 9: Real Numbers and Right Triangles	
2	9.1 Square Roots	NS 2.4, AF 1.2, MR 2.7
2	9.3 The Pythagorean Theorem	MG 3.3
1	9.4 Real Numbers	NS 1.4
2	Review & Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
8	Chapter 10: Measurement, Area and Volume (Part 1)	
1	13.1 Angle Relationships	Gr6 2.1, 2.2
1	13.2 Angles and Parallel Lines	Gr6 MG 2.2
1	10.1 Triangles	MG 2.1, MG 3.1
1	10.2 Polygons and Quadrilaterals	MG 3.1, Gr5 MG 2.2
2	10.3 Areas of parallelograms and Trapezoids	MG 2.1, 2.2
2	Review & Assessment	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
4	Chapter 11: Data Analysis and Probability	
0.5	Mean, Mode, Median and Range (pp 39–40)	SDAP 1.3
1.5	11.1 Stem-and-Leaf Plots and Histograms	SDAP 1.1
1	11.2 Box-and-Whiskers Plots	SDAP 1.1, 1.3
1	Assessment	

End of 3rd Quarter

Star Testing

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
8	Chapter 10: Measurement, Area and Volume (Part 2)	
2	10.4 Circumference and Area of a Circle	MG 2.1, 2.2
2	10.5 Surface Areas of Prisms and Cylinders	MG 2.1, 2.2, 3.5
2	10.7 Volumes of Prisms and Cylinders	MG 2.1
2	Review & Assessment	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
15	Chapter 12: Polynomials and Nonlinear Functions	
2	Monomials & Powers	NS 2.3 AF 2.2
2	12.1 Polynomials	AF 1.4
2	12.2 Adding & Subtracting Polynomials	Alg. 10.0
2	12.3 Multiplying Monomials and Polynomials	Alg. 10.0
2	12.4 Multiplying Binomials	Alg. 10.0
1	9.2 Simplifying Square Roots	NS 2.4, AF 2.2
2	Solving Polynomial Equations	AF 1.5, 2.2
2	Review & Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
8	Chapter 13: Angle Relationships and Transformations	
1	13.4 Translations	MG 3.2
1	13.5 Reflections & Symmetry	MG 3.2
2	13.6 Rotations & Symmetry	Geo 22.0
2	13.7 Dilations	MG 3.2
2	Review & Assessment	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
8	Algebra Preview: Linear Equations & Inequalities	
2	8.6 Writing Linear Equations	AF 1.1, AF 1.5, AF 3.4
1	8.7 Function Notation	AF 1.5, AF 3.3
2	8.8 Systems of Linear Equations	AF 1.1, AF 1.5, Alg 9.0
1	8.9 Graphs of Linear Inequalities	AF 1.1, AF 1.5, Alg 6.0
2	Review & Assessment	

3	Final Review and Assessment	
2	Review for Final	
1	End of the year Final Exam	