

2010-2011 Merced City School District  
6<sup>th</sup> Grade Math Pacing Guide

Quarter 1		Standard
<b>REVIEW</b>		
<b>Chapter 1</b>	<b>Algebraic Reasoning</b>	Can include 4-10
1-2	Exponents	Prep AF 1.4
1-3	Order of Operations	AF 1.4
1-5	Evaluating Algebraic Expressions	AF 1.2
1-6	Writing Algebraic Expressions	AF 1.2
1-8	Solving Equations by Subtracting	<b>AF 1.1</b>
1-9	Solving Equations by Adding	<b>AF 1.1</b>
1-10	Solving Equations by Dividing	<b>AF 1.1</b>
1-11	Solving Equations by Multiplying	<b>AF 1.1</b>
<b>Chapter 2</b>	<b>Integers</b>	
2-2	Adding Integers	<b>NS 2.3</b>
2-3	Subtracting Integers	<b>NS 2.3</b>
2-4	Multiplying & Dividing Integers	<b>NS 2.3</b>
2-5	Solving Equations Containing Integers	<b>AF 1.1</b>
<b>Chapter 3</b>	<b>Number Theory and Fractions</b>	
3-1	Prime Factorization	<b>Prep NS 2.4</b>
3-2	Greatest Common Factor	<b>NS 2.4</b>
3-3	Least Common Multiple	<b>NS 2.4</b>
3-4	Equivalent Fractions & Mixed Numbers	<b>NS 2.4</b>
3-5	Equivalent Fractions & Decimals	<b>Prep NS 1.1</b>
3-6	Comparing & Ordering Rational Numbers	<b>NS 1.1</b>
<b>District Progress Assessment 1</b>		<b>Aug. 23-27</b>
<b>End of Quarter 1</b>		<b>October 15</b>
<b>Quarter 2</b>		
<b>Chapter 4</b>	<b>Operations with Rational Numbers</b>	
4-1	Estimating with Fractions	Prep NS 2.1
4-2	Adding & Subtracting Fractions	NS 2.1
4-3	Adding & Subtracting Mixed Numbers	NS 2.1
4-4	Multiplying Fractions & Mixed Numbers	NS 2.1
4-5	Dividing Fractions & Mixed Numbers	NS 2.1
4-6	Solving Equations Containing Fractions	<b>AF 1.1</b>
4-10	Solving Equations Containing Decimals	<b>AF 1.1</b>
<b>Chapter 5</b>	<b>Proportional Relationships</b>	
5-1	Ratios	<b>NS 1.2</b>
5-2	Rates	<b>AF 2.2</b>
5-3	Identifying & Writing Proportions	<b>NS 1.2</b>
5-4	Solving Proportions	<b>NS 1.3</b>
5-5	Customary Measurements	AF 2.1
5-7	Using Similar Figures	<b>NS 1.3</b>
5-8	Scale Drawings & Scale Models	<b>NS 1.3</b>
<b>Chapter 6</b>	<b>Percents</b>	
6-2	Fractions, Decimals, and Percents	<b>Prep NS 1.4</b>
6-3	Estimating with Percents	<b>NS 1.4</b>
6-4	Percent of a Number	<b>NS 1.4</b>
6-5	Solving Percent Problems	<b>NS 1.4</b>
6-7	Simple Interest	<b>NS 1.4</b>
<b>District Progress Assessment 2</b>		<b>November 12-18</b>
<b>End of Quarter 2</b>		<b>January 7</b>
<b>Quarter 3</b>		
<b>Chapter 7</b>	<b>Collecting, Displaying &amp; Analyzing Data</b>	
7-1	<b>Mean, Median, Mode, and Range</b>	SDAP 1.1
7-2	Additional Data and Outliers	SDAP 1.2
7-4	Analyzing Data Displays	<b>SDAP 2.5</b>
7-6	Populations and Samples	SDAP 2.1
7-7	Selecting Samples	<b>SDAP 2.2</b>

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<b>Chapter 8</b>	<b>Probability</b>	
8-1	Introduction to Probability	<b>SDAP 3.3</b>
8-2	Experimental Probability	SDAP 3.2
8-3	Theoretical Probability	<b>SDAP 3.3</b>
8-4	Sample Spaces	<b>SDAP 3.1</b>
8-7	Making Predictions	SDAP 3.2
<b>Chapter 9</b>	<b>Geometric Figures</b>	
9-3	Angle Relationships	MG 2.1
9-4	Finding Angle Measures	<b>MG 2.2</b>
<b>Chapter 10</b>	<b>Measurement &amp; Geometry</b>	
10-2	Circles and Circumference	<b>MG 1.1</b>
10-3	Area of Parallelograms	AF 3.1
10-4	Area of Triangles and Trapezoids	AF 3.1
10-5	Area of Circles	MG 1.2
10-8	Volume of Prisms	MG 1.3
10-9	Volume of Cylinders	MG 1.3
10-10	Surface Area	AF 3.1
<b>District Progress Assessment 3</b>		<b>March 10-16</b>
<b>End of Quarter:</b>		<b>March 18, 2011</b>
<b>Quarter 4</b>		
<b>Chapter 11</b>	<b>Multi-Step Equations &amp; Inequalities: Preview Grade 7</b>	
11-1	Solving Two-Step Equations	<b>G7 AF 4.1</b>
11-2	Simplifying Algebraic Expressions	<b>G7 AF 1.3</b>
11-3	Solving Multi-Step Equations	<b>G7 AF 1.3</b>
11-4	Solving Equations with Variable on Both Sides	<b>Alg. I 5.0</b>
11-5	Introduction to Inequalities	G7 AF 1.1
11-6	Solving Inequalities by Adding or Subtracting	<b>G7 AF 4.0</b>
11-7	Solving Inequalities by Multiplying or Dividing	<b>G7 AF 4.0</b>
11-8	Solving Two-Step Inequalities	<b>G7 AF 4.1</b>
<b>CST</b>		<b>May 2-May 10</b>
<b>End of Quarter 4</b>		<b>June 3</b>

\* any lesson omitted is considered a preparatory or optional lesson