

**Byron Union School District 2010-11**  
**Suggested Pacing Guide for Grade 6 Mathematics**  
**Text: Holt California Mathematics – Course 1**

<b>Time/ # of days</b>	<b>Topics: Content &amp; Assessment</b>	<b>CA Content Standards</b>	<b>Supplemental Resources</b>
<b>17</b>	<b>Chapter 1: Numbers and Patterns</b>		
1	Placement Assessment		
1	1.1 Numbers and patterns (50 mins)	Prep for AF2.0, 1.3, 1.4	
	1.2 Exponents (50 mins)	Prep for AF2.0, 1.3, 1.4	
1	1.3 Order of operations	AF1.3, 1.4	GEMDAS
1	1.4 Properties of numbers	AF1.3	
1	1.5 Evaluating algebraic expressions	AF1.3, 1.4	Decomposition
1	1.6 Writing Algebraic expressions	AF1.2	
1	1.7 Equations and their solutions/Model solving equations	AF1.1	
2	1.8 Solving equations by subtracting	AF1.1	
1	1.9 Solving equations by adding	AF1.1	
1	1.10 Solving equations by dividing	AF1.1	
1	1.11 Solving equations by multiplying	AF1.1	
1	Study Guide: Review Chapter 1	Review	
1	Assessment: Chapter 1 Test	AF 1.1 AF 1.2 AF 1.3	
1	Ready to go on/Re-Teach	Review	
1	Mastering The Standard Re-Teach	Assessment & Review	

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<b>14</b>	<b>Chapter 2: Integers</b>		
1	2.1 Intro to Integers	Prep for NS1.1 NS2.3 AF 1.2	Zero pairs Number line
1	2.2 Adding integers plus 2.2 LAB	Prep for NS1.1 NS2.3 AF 1.2	Zero pairs Number line
1-2	2.3 Subtracting integers plus 2.3 LAB	NS 2.3 AF1.2	Zero pairs Number line Decomposing
1	2.4 Multiplying/Dividing Integers	NS 2.3 AF1.4	Number line Bar models
1	LAB – Model integers equations	NS 2.3 AF1.1	Zero pairs
1	2.5 Solving equations containing integers	NS 2.3 AF1.1	Zero pairs
2	2.6 The coordinate plane/2.7 equations in two variables	Prep for AF1.0	
2	2.8 Graphing equations	NS 2.3 AF1.0	
1	Study Guide: Review Chapter 2	Review	
1	Assessment: Chapter 2 Test	NS 1.1 NS 2.3 AF 1.1	
1	Ready To Go/Re-Teach	Review	
1	Mastering the Standards/Re-teach	Assessment and Review	

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<b>12</b>	<b>Chapter 3: Number Theory and Fractions</b>		
1	3.1 Prime factorization	Prep for NS 2.4	Decomposition
1	3.2 Greatest common divisor	NS 2.4	Venn diagram
1	3.4 Equivalent fractions and mixed numbers (to connect to GCD)	NS1.1 NS2.4	Bar models
1	3.5 Equivalent fraction and decimals	NS1.1 NS2.4	Bar models
1	3.3 Least common multiple	NS2.4	Venn diagram Bubble method
1	3.6 Compare and order rational numbers	NS1.1 NS2.4	
1	Study Guide: Review Chapter 3	Review	
1	Assessment: Chapter 3 Test		
1	Study Guide (created by math department): Review Chapters 1 – 3	Review	
1	1 <sup>st</sup> Quarter Assessment: Chapters 1 – 3	Assessment	
1	Ready To Go On/Re-Teach	Review	
1	Mastering the Standards/Re-teach	Assessment and Review	

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<b>15</b>	<b>Chapter 4: Operations with Rational Numbers</b>		
1	4.1 Estimating w/fractions	Prep for NS2.1	
1	Lab: Model add and subtract of fractions 4.2 Add and subtract fractions	NS2.1 NS2.4	
1	4.3 Add and subtract mixed numbers	NS2.1 NS2.4	
2	Lab: Model multiply and divide fractions 4.4 Multiply fractions and mixed numbers	NS2.1, 2.2, 2.4	Distributive property
1	4.5 Dividing fractions and mixed numbers	NS2.1, 2.2, 2.4	Show three ways
1	4.6 Solving equations containing fractions	NS2.1, 2.2, 2.4, AF1.1	
1	4.7 Add, subtract and multiply decimals	NS2.3	
2	4.8 Dividing decimals	NS2.3	
1	4.10 Solving equations containing decimals	AF1.1	
1	Study Guide: Review Chapter 4	Review	
1	Assessment: Chapter 4 Test	NS 2.3, 2.4 AF 1.1	
1	Ready To Go/Re-Teach	Review	
1	Mastering The Standards/ Re-Teach	Review and Assessment	

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<b>12</b>	<b>Chapter 5: Proportional Relationships</b>		
1	5.1 Ratios	NS1.2	Bar models
1	5.2 Rates	NS1.2 AF2.2, 2.3	
1	5.3 Identify and write proportions	NS1.2	
2	5.4 Solving proportions	NS1.3 AF2.2, 2.3	
1	Lab: Make similar figures 5.6 Similar figures and proportions	NS1.3	
1	5.7 Using similar figures	NS1.3	
1	5.8 Scale drawings and scale models	NS1.3	
1	Study Guide: Review Chapter 5 Game Time: It's in the Bag!	Review	
1	Assessment: Chapter 5 Test	NS 1.2, 1.3 AF 2.2	
1	Ready To Go On/Re-Teach	Review	
1	Mastering The Standards/Re-Teach	Assessment and Review	

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<b>15</b>	<b>Chapter 6: Percents</b>		
1	6.1 Intro to percents	NS1.4 2.4	Bar models
1	6.2 Fractions, decimals, percents	NS1.4	
1	6.3 Estimating with percent and Lab: Explore percents	NS 1.4 2.1	
2	6.4 Percent of a number	NS1.3 1.4	
2	6.5 Solving percent problems	NS1.3, 1.4, AF1.1	
1	6.6 Percent of change	NS1.4	
2	6.7 Simple interest	NS1.4 AF1.1	
1	Study Guide: Review Chapter 6	Review	
1	Assessment: Chapter 6 Test	NS 1.4 NS 2.4 AF 1.1	
1	Study Guide (created by math department): Review Chapters 1 – 6	Review	
1	2 <sup>nd</sup> Quarter Assessment: Chapters 1 – 6	Assessment	
1	Ready to Go On/Re-Teach Mastering The Standards/Re-Teach	Assessment and Review	

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<b>10</b>	<b>Chapter 9: Geometric Figures</b>		
1	9.3 Angle relationships	MG2.1	
1	9.4 Finding angle measures	AF1.1 MG2.1, 2.2	
1	9.5 Classifying polygons/9.6 Classifying triangles	MG2.3	
1	Lab: Angles in triangles 9.7 Angle measure in triangle	MG2.3, 2.2, 2.1 AF1.1	
1	9.8 Classifying quadrilaterals	MG2.3	
1	9.9 Congruent figures	MG2.3	
1	Study Guide: Review Chapter 9	Review	
1	Assessment: Chapter 9 Test	MG 2.1, 2.2	
1	Ready to Go On/Re-Teach	Review	
1	Mastering The Standards/Re-Teach	Assessment and Review	

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<b>18</b>	<b>Chapter 10: Measurement and Geometry</b>		
1	10.1 Perimeter	AF1.1, 1.2	
2	Lab: Explore circumference/ 10.2 Circles and circumference	MG1.1, 1.2	
1	10.3 Area of parallelograms	NS2.1, AF1.1, 2.1, 3.1, 3.2	
1	10.4 Area of triangles and Trapezoids	AF1.2, 3.1, 3.2	
2	10.5 Area of circles/10.6 Area of irreg. and Comp figures	AF3.1, 3.2, MG1.1, 1.2	
2	Lab: Explore volume of prisms and Cylinders/ 10.8 Volume of prisms	AF3.1, 3.2, MG 1.3	
1	10.9 Volume of cylinders	AF3.1, 3.2, MG1.3	
2	Lab: Model 3-D figures/10.10 Surface area	AF3.2, AF3.1	
1	Study Guide: Review Chapter 10	Review	
1	Assessment: Chapter 10 Test	MG 1.1, 1.2, 1.3	
2	Ready to Go On/Re-Teach	Review	
2	Mastering The Standards/Re-Teach	Assessment and Review	

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<b>19</b>	<b>Chapter 8: Probability</b>		
1	8.1 Intro to probability	SDAP3.3	
1	8.2 Experimental probability	SDAP3.2, 3.3	
1	8.3 Theoretical probability	SDAP3.3	
2	8.4 Sample spacers/Lab: Experimental theoretical probability	SDAP3.1, 3.3	
2	8.5 Disjoint events	SDAP3.1 and 3.4	
2	8.6 Independent and dependent events	SDAP3.3, 3.4, 3.5	
1	8.7 Making predictions	NS1.3, SDAP3.2, 3.3	
1	Game time: It's in the Bag!	Review	
1	Study Guide: Review Chapter 8	Review	
1	Assessment: Chapter 8 Test	SDAP 3.1, 3.2, 3.3, 3.4	
2	Quarter 3 Review Chapter 1-6, 8, 9 10		
1	Quarter 3 Assessment		
2	Ready to Go On/Re-teach		
1	Mastering the Standards/Re-Teach		

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<b>23</b>	<b>Chapter 7: Collecting, Displaying and Analyzing Data</b>		
2	Lab: Collect data to explore the mean/ 7.1 mean, median, mode, range	SDAP1.1	
1	7.4 Analyzing data displays	SDAP2.3, 2.5	
1	7.5 Misleading graphs	SDAP 2.3, 2.5	
2	7.6 Populations and samples	SDAP2.1 and 2.5 NS1.3	
1	7.7 Selecting samples	SDAP 2.2	
1	Lab: Exploring samples 7.8 Identifying sampling errors and bias	SDAP2.2, 2.3, 2.4, 2.5	
1	Study Guide: Review Chapter 7	Review	
1	Assessment: Chapter 7 Test	SDAP 2.2, 2.3, 2.4, 2.5	
1	Ready to Go On/ Re-Teach	Review	
1	Mastering The Standards/Re-Teach	Assessment and Review	
7	Review for CST		
4	CST		

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<b>20</b>	<b>Chapter 11: Multi-Step Equations and Inequalities</b>		
1	Lab: Model two-step equations	AF4.1	
2	11.1 Solving two-step equations	AF4.1	
2	11.2 Simplifying algebraic expressions	AF1.2, 1.3, 3.1, 3.2	
2	11.3 Solving multi-step equations	AF1.3, A5.0	
2	11.4 Solving equations w/variables on both sides	A5.0	
1	11.5 Intro to inequalities	AF1.1	
2	11.6 Solving inequalities by adding or subtracting	AF4.0	
2	11.7 Solving inequalities by multiplying or dividing	AF4.0	
2	11.8 Solving two-step inequalities	AF4.1	
1	Ready to Go On/ Re-Teach	Review	
1	Mastering The Standards/ Re-Teach	Assessment and Review	
1	Study Guide (created by math department): Review Chapters 1 – 9	Review	
1	4 <sup>th</sup> Quarter Assessment	Assessment	