

Castro Valley Unified School District (CVUSD) 2009-10

Suggested Pacing Guide for Grade 4

Text: Harcourt School Publishers

Time/ # of days	Topics: Content & Assessment	CA Content Standards
6	Chapter 1 : Understand Place Value	
1	Lesson 1: Place value through hundred thousands	NS 1.1
1	Lesson 2: Hands on: Model millions Lesson 3: Place Value through millions	NS 1.1
1	Lesson 4: Compare whole numbers Lesson 5: Order whole numbers	NS 1.2
1	Lesson 6: Problem Solving Workshop Strategy: Use logical reasoning	NS 1.2
2	Review and Assessment	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
7	Chapter 2: Addition and subtraction: Mental math and estimation	
1	Lesson 1: Related addition and subtraction Lesson 3: Mental Math: Addition and subtraction patterns	NS 3.0
1	Lesson 2: Round whole numbers through millions	NS 1.3
1	Lesson 4: Mental Math: Estimate sums and differences	NS 2.1
1	Lesson 5: Mental Math: Strategies	NS 2.1
1	Lesson 6: Problem solving workshop skill: Estimate or exact answer	NS 1.4
2	Review and Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
5	Chapter 3: Add and Subtract whole numbers	
1	Lesson 1: Add and subtract through 5-digit numbers	NS 3.1
1	Lesson 2: Subtract across zeros	NS 3.1
1	Lesson 3: Add and subtract greater numbers	NS 3.1
1	Lesson 4: Problem solving workshop Skill: Too much/Too little information	NS 3.0
1	Review and Assessment	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
9	Chapter 4: Algebra: Use addition and subtraction	
1	Lesson 1: Addition properties	AF 1.0
1	Lesson 2: Write and evaluate expressions	AF 1.2
1	Lesson 3: Expressions with variables	AF 1.0
1	Lesson 4: Addition and subtraction equations	AF 1.0
1	Lesson 5: Add equals to equals	AF 2.1
1	Lesson 6: Problem solving workshop Strategy: Work backward	AF 1.0
1	Lesson 7: Patterns: Find a rule	AF 1.5
2	Review and Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
7	Chapter 5: Multiplication and Division Facts	
1	Lesson 2: Algebra: Relate multiplication and division	NS 3.0
1	Lesson 4: Multiply and divide facts through 10	NS 3.0
1	Lesson 6: Patterns on the multiplication table	NS 3.0
1	Lesson 7: Problem solving workshop Skill: Choose the operation	NS 3.0
1	Lesson 8: Algebra: Find missing factors	AF 1.1
2	Review and Assessment	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
8	Chapter 6: Use Multiplication and Division Facts	
1	Lesson 1: Multiplication Properties	AF 1.0
1	Lesson 2: Hands on : Order of operations Lesson 3: Expressions with Parentheses	AF 1.0 AF 1.2
1	Lesson 4: Write and Evaluate Expressions	AF 1.0
1	Lesson 5: Multiplication and division equations	AF 1.1
1	Lesson 6: Multiply equals by equals	AF 2.2
1	Lesson 8: Patterns: Find a rule	AF 1.5
2	Review and Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
8	Chapter 7: Multiply by 1-digit numbers	
1	Lesson 1: Mental Math: Multiplication patterns	NS 3.0
1	Lesson 2: Mental Math: Estimate Products	NS 1.3
1	Lesson 3: Problem solving workshop: Draw a diagram	NS 3.0
1	Lesson 4: Hands on: Model 3-digit by 1-digit Lesson 5: Record 3-digit by 1-digit multiplication	NS 3.0
1	Lesson 6: Multiply 4-digit numbers and money	NS 3.0
1	Lesson 7: Multiply with zeros	NS 3.0
2	Review and Assessment	

Trimester 1 Assessment

Time/ # of days	Topics: Content & Assessment	CA Content Standards
5	Chapter 8: Understand 2 digit multiplication	
1	Lessons 1 and 2: Mental math: Multiplication patterns, multiply by tens	NS 3.3
1	Lesson 3: Mental math: Estimate Products	NS 3.3
1	Lesson 4: Problem solving workshop skill: Multi-step problems	NS 3.2
2	Review and Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
7	Chapter 9: Multiply by 2 digit numbers	
1	Lesson 1: Model 2-digit by 2-digit multiplication	NS 3.3
1	Lesson 2: Record 2-digit by 2-digit multiplication	NS 3.2
1	Lesson 3: Multiply 2- and 3-digit numbers and money	NS 3.2
1	Lesson 4: Multiply greater numbers	NS 3.2
3	Review and Assessment	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
8	Chapter 10: Understand Division	
1	Lesson 1: Divide with remainders	NS 3.4
1	Lesson 2: Model 2-digit by 1-digit division Lesson 3: Record 2-digit by 1 digit division	NS 3.4 NS 3.2
1	Lesson 5: Mental Math – Division patterns	NS 3.4
1	Lesson 6: Mental Math – Estimate Quotients	NS 3.4
1	Lesson 7: Place the first digit	NS 3.2
3	Review and Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
6	Chapter 11: Practice Division	
1	Lesson 1: Problem solving workshop skill: Interpret the remainder	NS 3.4
1	Lesson 2: Divide 3-digit numbers and money	NS 3.2
1	Lesson 3: Zeros in division	NS 3.2
1	Lesson 4: Divide greater numbers	NS 3.2
2	Review and Assessment	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
8	Chapter 12: Number Theory and Patterns	
1	Lesson 1: Factors and multiples	NS 4.0
1	Lesson 2: Prime and composite numbers	NS 4.2
1	Lesson 3: Factor whole numbers	NS 4.1
1	Lesson 4: Find prime factors	NS 4.2
1	Lesson 5: Number patterns	NS 3.0
1	Lesson 6: Problem solving workshop Strategy: Find a pattern	NS 3.0
2	Review and Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
9	Chapter 16: Understanding Fractions and Mixed Numbers	
1	Lesson 1: Read and write fractions	NS 1.5
1	Lesson 2: Model equivalent fractions	NS 1.5
1	Lesson 3: Hands on: Compare fractions	NS 1.9
1	Lesson 4: Order fractions	NS 1.9
1	Lesson 5: Read and write mixed numbers	NS 1.9
1	Lesson 6: Compare and order mixed numbers	NS 1.9
1	Lesson 7: Problem solving workshop Skill: Sequence information	NS 1.9
2	Review and Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
6	Chapter 17: Add and Subtract Like Fractions and Mixed Numbers	
1	Lesson 1: Hands on: Model Addition Lesson 3: Record: Addition and Subtraction	NS 3.0 NS 3.0
1	Lesson 2: Hands on: Model Subtraction Lesson 3: Record Addition and Subtraction	NS 3.0 NS 3.0
1	Lesson 4: Problem solving workshop Strategy: Write an equation	AF 1.1
1	Lesson 5: Add and subtract mixed numbers	NS 3.0
2	Review and Assessment	

Trimester 2 Assessment

Time/ # of days	Topics: Content & Assessment	CA Content Standards
5	Chapter 18: Understand Decimals and Place Value	
1	Lessons 1 and 2: Relate fractions and decimals Hands on: Equivalent Decimals	NS 1.6
1	Lesson 3: Relate mixed numbers and decimals	NS 1.6
1	Lessons 4 and 5: Hands on: Compare decimals/Hands on: Order Decimals	NS 1.2
2	Review and Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
5	Chapter 19: Add and Subtract Decimals and Money	
1	Lesson 1: Round decimals	NS 2.2
1	Lesson 2: Estimate decimals sums and differences	NS 2.1
1	Lesson 3, 4 and 5: Hands on: Model addition, Hands on: Model subtraction, record addition and subtraction	NS 2.1
2	Review and Assessment	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
9	Chapter 15: Algebra: Explore Negative Numbers and Graphing	
1	Lesson 1: Temperature	NS 1.8
1	Lesson 2: Explore negative numbers	NS 1.8
1	Lesson 4: Use a coordinate plane	NS 2.0
1	Lesson 5: Length on a coordinate plane	NS 2.2 NS 2.3
1	Lesson 6: Use an equation	NS 1.5
1	Lesson 7: Graph relationships	NS 2.1
1	Lesson 8: Identify linear relationships	NS 1.4
2	Review and Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
4	Chapter 13: Collect, Organize and Represent Data	
1	Lesson 3: Find mode and median	SDAP 1.2
1	Lesson 4: Read line plots	SDAP 1.1
1	Mean (Script)	
1	Review and Assessment	

Time/ # of days	Topics: Content & Assessment	CA Content Standards
5	Chapter 14: Interpret and Graph Data	
1	Lessons 1 and 2: Interpret bar graphs/make bar and double-bar graphs	SDAP 1.3 SDAP 1.0
1	Lesson 3: Interpret Circle graphs	SDAP 1.3
1	Lessons 4 and 5: Algebra-Graph ordered pairs/Interpret line graphs	MG2.0 SDAP 1.3
1	Lesson 8: Appropriate graph	SDAP 1.0
1	Review and Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
8	Chapter 23: Perimeter and Area	
1	Lesson 1: Customary Measurements	AF 1.5
1	Lesson 2: Metric Measurements	AF 1.5
1	Lesson 4: Algebra: Find Perimeter	MG 1.4
1	Lesson 7: Algebra: Find Area	MG 1.4
1	Lesson 8: Problem solving workshop strategy: Solve a simpler problem	MG 1.4
1	Lesson 9: Relate Perimeter and Area	MG 1.2
2	Review and Assessment	

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
8	Chapter 20: Lines, Rays, Angles and Plane Figures	
1	Lesson 1: Points, Lines and Rays	MG 3.0
1	Lesson 2: Classify Angles	MG 3.5
1	Lesson 3: Line Relationships	MG 3.1
1	Lesson 4: Polygons	MG 3.0
1	Lesson 5: Classify Triangles	MG 3.7
1	Lesson 6: Classify Quadrilaterals	MG 3.8
1	Lesson 7: Circles	MG 3.2
1	Review and Assessment	
* Integrate with art –“afternoon math”		
* Chapter 21: Lessons 1, 2, 3, 5; Motion Geometry		
* Lessons 1: Hands on: Congruent Figures		MG 3.3
* Lessons 2: Hands on: Turns		MG 3.5
* Lesson 3: Symmetry		MG 3.4
* Lesson 5: Geometric patterns		MG 3.0
* Chapter 22: Lessons 1, 2, 3; Solid Figures		
* Lesson 1: Faces, Edges, and Vertices		MG 3.6
* Lesson 2: Patterns for Solid Figures		MG 3.6
* Lesson 3: Different Views of Solid Figures		MG 3.6

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Time/ # of days	Topics: Content & Assessment	CA Content Standards
5	Chapter 24: Probability	
1	Lesson 3: Make Predictions	SDAP 2.0
1	Lesson 4: Probability as a fraction	SDAP 2.2
1	Lesson 6: Tree Diagrams	SDAP 2.1
2	Review and Assessment	

Trimester 3 Assessment