



**MONTEBELLO UNIFIED SCHOOL DISTRICT**  
**INSTRUCTIONAL SERVICES DIVISION**  
 English Learner Programs / Curriculum & Instruction K-8



## Mathematics Instructional Guide – 4<sup>th</sup> Grade

### Macmillan/McGraw-Hill

#### Trimester 1 -

# Days	Standards	Concepts/Skills	Textbook	Vocabulary	Additional Resources	Assessment Options
		Review 3 <sup>rd</sup> grade concepts	<b><i>Start Smart</i></b> Lessons *1, 2, 3, 4, 5, 6			• Inventory/Placement Test
10	NS 1.1, 1.2, 1.3, 3.0 MR 1.1, 2.3	Read, write, order, compare, round #s through the millions	<b><i>Chapter 1: Place Value &amp; Number Sense</i></b> Lessons 1, 2, 3, 4, 5, 6, 7  *1-3 PSS: Use the Four-Step Plan *1-7 PSI: Choose a Strategy *PS in Science p42	digit, estimate, is equal to (=), expanded form, is greater than (>), is less than (<), place value, rounding (or round), standard form	Game Time: Great Number Game p35 • Base ten blocks • Place value mats	• Spiral Reviews • Mid-Chapter Check p31 • Chapter 1 Tests • Standards Practice p50
10	NS 3.0, 3.1 AF 1.0 MR 1.1, 2.3, 2.5	Use addition properties Add/subtract multi-digit #s Estimate sums & diff Subtract across zeros	<b><i>Chapter 2: Addition &amp; Subtraction</i></b> Lessons 1, 2, 3, 4, 5, 6, 7  *2-3 PSS: Estimate or Exact Ans. *2-6 PSI: Choose a Strategy *PS in History p76	Associative Property of Addition, Commutative Property of Addition, difference, estimate, Identity Property of Addition, minuend, subtrahend	Game Time: Make a Big Difference p73	• Spiral Reviews • Mid-Chapter Check p67 • Chapter 2 Tests • Standards Practice p88
9	NS 3.0 AF 1.1, 1.2, 1.5, 2.1 MR 1.2, 2.3, 3.2, 3.3	Solve add/sub equations Evaluate expressions Write equations Balance add/sub equations	<b><i>Chapter 3 - Algebra: Use Addition &amp; Sub.</i></b> Lessons 1, 2, 3, 4, 5, 6  *3-3 PSS: Missing or Extra Info. *3-5 PSI: Choose a Strategy *PS in Science p114	balance, equation, expression, parentheses, solve, variable	Game Time: Ready, Set, Solve! p101	• Spiral Reviews • Mid-Chapter Check p107 • Chapter 3 Tests • Standards Practice p122
12	NS 2.1, 3.0 SDAP 1.1, 1.2, 1.3 MR 2.3	Collect, represent data on line plots, graphs, tables, charts Identify median, mode & outliers	<b><i>Chapter 4 - Statistics: Data &amp; Graphs</i></b> Lessons 1, 2, 3, 4, 5, 6, 7, 8  *4-3 PSS: Make a Table *4-6 PSI: Choose a Strategy *PS in Science p146	data, double bar graph, frequency table, line graph, line plot, median, mode, outlier, survey, tally chart	Game Time: Graph Race p143	• Spiral Reviews • Mid-Chapter Check p139 • Chapter 4 Tests • Standards Practice p168



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13	NS 3.0, 4.1, 4.2 AF 1.0 MR 1.1, 2.3, 2.6, 3.2, 3.3	Relate multiplication & division Find factors & multiples of whole numbers Use multiplication & division properties	<u><b>Ch 5: Multiplication &amp; Division Facts</b></u> Lesson 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  *5-4 PSS: Choose an Operation *5-7 PSI: Choose a Strategy *PS in Social Science p192	Associative Property of Multiplication, Commutative Property of Multiplication, composite number, fact family, factor, multiple, prime number	Game Time: Multiplication Bingo p203	<ul style="list-style-type: none"> <li>• Spiral Reviews</li> <li>• Mid-Chapter Check p191</li> <li>• Chapter 5 Tests</li> <li>• Standards Practice p220</li> </ul>
<p><b>MUSD T1 Assessment -</b></p>						



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### Macmillan/McGraw-Hill

#### Trimester 2 -

# Days	Standards	Concepts/Skills	Textbook	Vocabulary	Additional Resources	Assessment Options
10	NS 3.0 AF 1.1, 1.2, 1.3, 1.5, 2.2 MR 1.1, 2.3	Write expressions Balance equations Use order of operations to evaluate expressions	<b><u>Ch 6 – Algebra: Use Multiplication &amp; Div.</u></b> Lessons 1, 2, 3, 4, 5, 6, 7  *6-2 PSS: Work Backward *6-5 PSI: Choose a Strategy *PS in Science p246	balance, equation, expression, order of operations, variable	Game Time: Equation Race p245	<ul style="list-style-type: none"> <li>• Spiral Reviews</li> <li>• Mid-Chapter Check p239</li> <li>• Chapter 6 Tests</li> <li>• Standards Practice p258</li> </ul>
9	NS 1.3, 3.2, 3.3 MR 1.1, 2.1, 3.1	Multiply by multiples of 10, 100, 1,000 Multiply multi-digit #s by one-digit #s Multiply across zeros	<b><u>Chapter 7: Multiply by One-digit Numbers</u></b> Lessons 1, 2, 3, 4, 5, 6, 7  *7-2 PSS: Reasonable Answers *7-5 PSI: Choose a Strategy *PS in Science p282	estimate, factor, multiple, product, regroup, round	Game Time: Estimation Station p271	<ul style="list-style-type: none"> <li>• Spiral Reviews</li> <li>• Mid-Chapter Check p275</li> <li>• Chapter 7 Tests</li> <li>• Standards Practice p294</li> </ul>
10	NS 3.0, 3.2, 3.3 MR 1.1, 2.1, 2.3	Estimate products by rounding Multiply multi-digit #s by two-digit #s	<b><u>Chapter 8: Multiply by Two-Digit Numbers</u></b> Lessons 1, 2, 3, 4, 5, 6, 7  *8-3 PSS: Act It Out *8-6 PSI: Choose a Strategy *PS in Science p318	Distributive Property of Multiplication, estimate, factor, multiple, product, regroup, round	Game Time: Greatest Products P325	<ul style="list-style-type: none"> <li>• Spiral Reviews</li> <li>• Mid-Chapter Check p313</li> <li>• Chapter 8 Tests</li> <li>• Standards Practice p332</li> </ul>
12	NS 3.0, 3.2, 3.3 MR 1.1, 2.1, 2.3	Use patterns and multiples to divide mentally Divide by one-digit #s	<b><u>Chapter 9: Divide by One-Digit Numbers</u></b> Lessons 1, 2, 3, 4, 5, 6, 7, 8, 9  *9-3 PSS: Guess and Check *9-6 PSI: Choose a Strategy *PS in Science p366	compatible numbers, dividend, divisor, quotient, remainder	Game Time: Division Shuffle p365	<ul style="list-style-type: none"> <li>• Spiral Reviews</li> <li>• Mid-Chapter Check p351</li> <li>• Chapter 9 Tests</li> <li>• Standards Practice p380</li> </ul>
11	MG 3.0, 3.1, 3.2, 3.5, 3.6, 3.7, 3.8 MR 1.1, 2.3, 3.2, 3.3	Identify, describe, classify plane & solid figures Know angles, lines, line segments, rays	<b><u>Chapter 10: Geometry</u></b> Lessons 1, 2, 3, 4, 5, 6, 7, 8, 9  *10-3 PSS: Look for a Pattern *10-6 PSI: Choose a Strategy *PS in Art p408	acute angle, angle, circle, line, net, obtuse angle, plane figure, polygon, right angle, solid figure	Game Time: Shape Up p413	<ul style="list-style-type: none"> <li>• Spiral Reviews</li> <li>• Mid-Chapter Check p401</li> <li>• Chapter 10 Tests</li> <li>• Standards Practice p426</li> </ul>



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## Mathematics Instructional Guide – 4<sup>th</sup> Grade Macmillan/McGraw-Hill

10	NS 3.0 AF 1.4 MG 1.1, 1.2, 1.3, 1.4, 3.3, 3.4 MR 1.1, 1.2	Find perimeter and area using formulas Relate perimeter & area Identify congruent figures and symmetry	<b><u>Chapter 11: Geometry &amp; Measurement</u></b> Lesson 1, 2, 3, 4, 5, 6, 7  *11-4 PSS: Work a Simpler Prob. *11-6 PSI: Choose a Strategy *PS in Science p450	area, bilateral symmetry, complex figure, congruent, line symmetry, line of symmetry, perimeter, rotational symmetry, square units	Game Time: Area Guess p447	<ul style="list-style-type: none"> <li>• Spiral Reviews</li> <li>• Mid-Chapter Check p441</li> <li>• Chapter 11 Tests</li> <li>• Standards Practice p464</li> </ul>
<b>MUSD T2 Assessment -</b>						



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**Mathematics Instructional Guide – 4<sup>th</sup> Grade**  
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**Trimester 3 -**

# Days	Standards	Concepts/Skills	Textbook	Vocabulary	Additional Resources	Assessment Options
10	NS 1.8 AF 1.5 MG 2.1, 2.2, 2.3 SDAP 1.1 MR 1.1, 2.3	Understand negative #s Name, graph points using ordered pairs Complete function tables Find function rules	<b><u>Ch 12: Algebra &amp; Graphing</u></b> Lessons 1, 2, 3, 4, 5, 6, 7  *12-4 PSS: Use Logical Reasoning *12-7 PSI: Choose a Strategy * PS in Geography p480	coordinate, coordinate plane, function, graph, negative number, ordered pair, origin, positive number, x-axis, y-axis	Game Time: Outputs Add Up p487	<ul style="list-style-type: none"> <li>• Spiral Reviews</li> <li>• Mid-Chapter Check p479</li> <li>• Chapter 12 Tests</li> <li>• Standards Practice p502</li> </ul>
12	NS 1.0, 1.5, 1.7, 1.9 MR 2.2, 2.3	Identify, read, write, model fractions Compare/order simple fractions	<b><u>Chapter 13: Fractions</u></b> Lessons 1, 2, 3, 4, 5, 6, 7, 8, 9  *13-3 PSS: Draw a Picture *13-6 PSI: Choose a Strategy *PS in Science p532	denominator, equivalent fractions, fraction, improper fraction, like denominators, mixed number, numerator, simplest form	Game Time: Fractions Made Simple p525	<ul style="list-style-type: none"> <li>• Spiral Reviews</li> <li>• Mid-Chapter Check p521</li> <li>• Chapter 13 Tests</li> <li>• Standards Practice p550</li> </ul>
10	NS 1.2, 1.6, 1.7, 1.9, 3.0 MR 1.1, 2.3	Identify, read, write tenths & hundredths as decimals & fractions Compare, order decimals and mixed #s	<b><u>Chapter 14: Decimals</u></b> Lessons 1, 2, 3, 4, 5, 6, 7 *14-3 PSS: Make a Model *14-5 PSI: Choose a Strategy *PS in Music p576	decimal, decimal equivalent, decimal point, hundredth, mixed number, tenth	Game Time: Fraction and Decimal Game p581	<ul style="list-style-type: none"> <li>• Spiral Reviews</li> <li>• Mid-Chapter Check p569</li> <li>• Chapter 14 Tests</li> <li>• Standards Practice p588</li> </ul>
10	NS 2.1, 2.2, 3.1 SDAP 1.1 MR 1.1, 2.1, 2.3	Add/subtract decimals Estimate sums and diff by rounding	<b><u>Chapter 15 – Decimals: Addition &amp; Subtraction</u></b> Lessons 1, 2, 3, 4, 5, 6 *15-3 PSS: Work Backward *15-5 PSI: Choose a Strategy *PS in Science p610	addend, decimal, decimal point, estimate, sum	Game Time: Match Up p597	<ul style="list-style-type: none"> <li>• Spiral Reviews</li> <li>• Mid-Chapter Check p609</li> <li>• Chapter 15 Tests</li> <li>• Standards Practice p626</li> </ul>
9	NS 3.0 SDAP 2.1, 2.2 MR 1.1, 2.3	Make predictions for simple probabilities Find outcomes using a grid or tree diagrams	<b><u>Ch 16: Probability</u></b> Lessons 1, 2, 3, 4, 5, 6  *16-3 PSS: Make an Org List *16-5 PSI: Choose a Strategy *PS in Science p648	favorable outcome, grid, outcome, prediction, probability, tree diagram	Game Time: Certain Fun p635	<ul style="list-style-type: none"> <li>• Spiral Reviews</li> <li>• Mid-Chapter Check p647</li> <li>• Chapter 16 Tests</li> <li>• Standards Practice p662</li> </ul>
		Introduction to 5 <sup>th</sup> grade standards	<b><u>Looking Ahead</u></b> Lessons 1, 2, 3, 4			<ul style="list-style-type: none"> <li>• End-of-Year Test</li> </ul>

**MUSD T3 Assessment -**