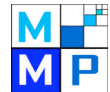


Houghton Mifflin Expressions Grade 2 2007–2008 Mathematics Curriculum Guides

	Wisconsin Mathematics Standard	MPS Learning Target	Wisconsin Assessment Descriptors for Mathematics (For Beginning Grade 3)	Curriculum
Throughout The Year	A. Mathematical Processes	<i>Note: Mathematical processes need to be embedded in all mathematical strands throughout the school year. Math processes are assessed on the WKCE-CRT and reported as a separate proficiency area. For example, students are asked to provide written justifications and explanations, pose problems, and represent concepts.</i>	<p>1) Reasoning: Use reasoning and logic to:</p> <ul style="list-style-type: none"> • Perceive patterns • Formulate questions • Make conjectures • Test reasonableness of results • Identify relationships • Pose problems • Justify strategies <p>2) Communication: Communicate mathematical ideas and reasoning using the vocabulary of mathematics in a variety of ways (e.g., using words, numbers, symbols, pictures, charts, tables, diagrams, graphs, and models).</p> <p>3) Connections: Connect mathematics to the real world as well as within Mathematics.</p> <p>4) Representations: Create and use representations to organize, record, and communicate mathematical ideas.</p> <p>5) Problem Solving: Solve and analyze routine and non-routine problems.</p>	



Time	Curricular Connections Units/Lessons	MPS Learning Targets	Wisconsin State Framework Assessment Descriptors	Connections District Model CABS
<p>April 13 teaching days</p>	<p>Unit D Diagonals and Midpoints D.1 Diagonals of Quadrilaterals (G) D.2 Connect Midpoints and Quadrilaterals (G) D.3 Practice with Diagonals and Connecting Midpoints (G)</p> <p>Unit 5 Subtracting 2-Digit Numbers</p> <p>5.1 Explore Quarters (NO&R) 5.2 Explore Dollars (NO&R) 5.3 Partners and Subtraction (NO&R) 5.4 Subtraction Story Problems (NO&R) 5.5 Two Methods of Subtraction (NO&R) 5.6 Practice and Explain a Method (NO&R) 5.7 Subtract from 200 (NO&R)</p>	<p>Number Operations and Relationships #1 Use and explain strategies to compare and rename numbers and to solve addition and subtraction basic facts and word problems while applying place-value concepts and using money. (5.1,5.2,5.3,5.4,5.5,5.6,5.7)</p> <p>Geometry #4 Describe and compare properties (e.g., sides, faces, corners, edges) of two- and three-dimensional shapes, and represent figures on a simple coordinate systems. (D.1)</p>	<p>Number Operations and Relationships</p> <p>B.a:1 Recognize and apply place-value concepts to whole numbers less than 1,000. (5.1,5.2,5.3,5.4,5.5,5.6,5.7)</p> <p>B.a:2 Read, write, and represent numbers using words, numerals, pictures (e.g., base-ten blocks), number lines, arrays, expanded forms (e.g., $24=20+4$) and symbolic renaming (e.g., $24=30-6$) (5.1,5.3,5.4,5.5,5.6,5.7)</p> <p>B.a:3 Compare and order whole numbers less than 1,000. (5.1,5.2,5.4,5.7)</p> <p>B.a:4 Count by 2s, 3s, 5s, 10s, 25s, and 100s. (5.1,5.2)</p> <p>B.a:5 Count, compare, and make change using a collection of coins (up to one dollar) and one-dollar bills. (5.1,5.2)</p> <p>B.b:8 Use addition and subtraction in everyday situations and solve one-step word problems. (5.4,5.6,5.7)</p> <p>B.b:9 Solve single and double-digit addition and subtraction problems with regrouping including horizontal format in problems with and without context. (5.3,5.4,5.5,5.6,5.7)</p> <p>B.b:15 Determine reasonableness of answers. (5.6,5.7)</p> <p>Geometry</p> <p>C.a:1 Identify, describe, and compare properties of 2 and 3 dimensional figures such as squares, triangles, rectangles, circles, pattern block shapes, cubes, pyramids, rectangular prisms, cylinders, and spheres (e.g., comparing sides, faces, corners, and edges). (D.1)</p>	<p>MPS Number Operation and Relationships #12 and #13</p> <p>MPS Number Operation and Relationships #10</p>

