MATH - 3rd

School	Teacher	Email	Course#	Grade Level
Lettie Brown Elementary School	VanDerVoorn, Lauri	**Lauri.VanDerVoorn@morton709.org**	MA4300	3

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August 2015

Content ▣	Skills ▣	Assessment ▣	Resources ▣
-Place Value Through Thousands -Compare and Order Numbers -Round to Nearest Ten and Hundred -*Problem Solving: Use Four Step Plan (CH 1), Reasonable Answers (CH 2), & Estimate and Exact Answer (CH 3)* ***Start Addition & Subtraction during extra time as needed throughout the year.*	**PLACE VALUE:** **(Pacing: 3 weeks) - Chapter 1** Read, write, and identify place value of whole numbers through thousands. **(3NBT01)** Use place value to compare numbers. **(3NBT01)** Use a number line and place value to order numbers through thousands.**(3NBT01)** Round numbers to the nearest ten. **(3NBT01)** Round numbers to the nearest hundred. **(3NBT01)** Use four-step plan to solve problems. **(3NBT01)**	CH 1 Pretest WB 11-12 WB 17-18 WB 23-24 WB 31-32 WB 37-38 WB 47-49 CH 1 Posttest	My Math, Grade 3, Book 1, Chapter 1 My Math Online *Apps:* -Splash Math Gr 3 *" My Learning Stations"* My Math Ch 1 BPOP JR. Video: *Place Value* BPOP JR. Video: *Comparing Numbers* BPOP JR. Video: *Rounding to Tens* Vocab Cards **Look at chapter 2 & 3 for reference of addition and subtraction expectations

September 2015

Content ▣	Skills ▣	Assessment ▣	Resources ▣
-Addition Properties -Estimate Sums -Add Three-Digit & Four Digit Numbers -Estimate Differences -Subtract Three-Digit & Four-Digit Numbers (With Regrouping) -Subtract Across Zeros	**ADDITION:** **(Pacing: 2 weeks) - Chapter 2** Use addition properties to add whole numbers. **(3NBT02)** Identify patterns in the addition table.**(3OA09)** Use place value to identify addition patterns. **(3OA09)** Use mental addition strategies.**(3NBT02)** Estimate sums using rounding.**(3NBT02)** Use models to explore adding three-digit numbers.**(3NBT02)** Add three-digit numbers and use estimation to check for reasonableness.**(3NBT02)** Add four-digit numbers with regrouping. **(3NBT02)** **Subtraction:** **(Pacing: 2 weeks) - Chapter 3 - Continue into October**	CH 2 Pretest WB 89-90 WB 101-102 WB 109-110 WB 121-122 CH 2 Posttest	My Math, Grade 3, Book 1, Chapters 2 & 3 My Math Ch 2 & 3 "My Learning Stations" Websites: IXL, Math Magician Apps: Splash Math Addition Properties Foldable Vocabulary Flashcards QR Code Subtraction Scoot

	Use strategies to subtract mentally.**(3NBT02 & 3OA08)**	CH 3 Pretest	Vocabulary Flashcards
	Estimate differences using rounding to the nearest ten or hundred.**(3NBT02 & 3OA08)**	WB 135-136	
	Determine whether an estimate or an exact answer is needed to solve a problem.**(3NBT02 & 3OA08)**	WB 141-142	
		WB 161-162	
	Model subtraction with regrouping.**(3NBT02 & 3OA08)**	WB 167-168	
	Subtract three-digit numbers with regrouping.**(3NBT02)**	WB 173-174	
	Subtract four-digit numbers with regrouping.**(3NBT02 & 3OA08)**	CH 3 Posttest	
	Subtract across zeros.**(3NBT02 & 3OA08)**		

October 2015

Content ▣	Skills ▣	Assessment ▣	Resources ▣
-Multiplication as Repeated Addition, Arrays. -Finding Combinations Using Multiplication -Modeling Multiplication -Commutative Property of Multiplication -*Problem Solving: Make a Table & Extra or Missing Information (CH 7)*	**Multiplication:** **(Pacing: 2.5 weeks) - Chapter 4** Use models to explore the meaning of multiplication. **(3OA01 & 3OA03)** Relate multilplication and addition. **(3OA01, 3OA03 & 3OA08)** Use arrays to explore and model multiplication. **(3OA01, 3OA03 & 3OA05)** Use arrays to multiply. **(3OA01, 3OA03, 3OA05 & 3OA08)** Use the make a table strategy to solve problems. **(3OA01 & 3OA03)** Use multiplication to find the total number of combinations that can be made when given two groups of objects. **(3OA01, 3OA03 & 3OA08)**	CH 4 Pretest WB 195-196 Wb 201-202 WB 213-314 WB 215-216 WB 217-218 CH 4 POSTTEST	My Math, Grade 3, Book 1, Chapter 4 My Math Ch 4 "My Learning Stations" Websites: IXL, Math Magician Apps: Splash Math Multiplying Maniacs Activity Unifix Cubes (Counters) BPOP Jr Video: *Repeated Addition* Pumpkin Seed Activity BPOP Jr Video: *Arrays* Arrays Scoot Game: Racing Rectangles (Arrays) Vocab Flashcards
-*Model Division* -*Understand Division as Equal Sharing* -*Relating Division and Subtraction* -*Relating Multiplication and Division* -*Understand Inverse Operations* -*Problem Solving: Use Models*	**Division** **(Pacing: 2.5 weeks) - Chapter 5** Explore two meanings of division.**(3OA02 & 3OA04)** Model division as equal sharing.**(3OA02 & 3OA04)** Use models to relate division and subtraction. **(3OA02, 3OA04 & 3OA07)** Explore how division and multiplication are related. **(3OA04, 3OA06 & 3OA07)** Divide using related multiplication facts. **(3OA04, 3OA06 & 3OA07)** Use models to solve problems.**(3OA04 & 3OA07)**	CH 5 Pretest WB 247-248 WB 249-250 WB 253-254 WB 255-256 WB 259-260 WB 261-264 WB 267-268	My Math, Grade 3, Book 1, Chapter 5 My Math Ch 5 "My Learning Stations" Websites: IXL, Math Magician Apps: Splash Math Foldable from Workbook Unifix Cubes (Counters) BPOP JR Video: *Equal Groups* Division Strategies Chart

November 2015

Content ▣	Skills ▣	Assessment ▣	Resources ▣
- *Patterns in the Multiplication Table* -*Multiply & Divide by 2, 5, & 10* -*Problem Solving: Look for a Pattern (CH 6) &*	**Multiplication & Division Patterns** **(Pacing: 6 weeks) - Chapter 6-8** Identify and explain patterns in the multiplication	WB 273-274 WB 275-276 WB 281-282 WB 283-284	My Math, Grade 3, Book 1, Chapter 6 My Math Ch 6 "My Learning Stations" Websites: IXL, Math Magician, Fact Dash (MY Math Game) Apps: Splash Math, Multiplication Trainer

Make an Organized List (CH 8)	table. **(3OA05 & 3OA09)**	CH 5 POSTTEST	Vocab Flashcards
	Use arrays and drawings such as bar diagrams, to multiply by 2. **(3OA01, 3OA03, 3OA04, 3OA05, 3OA07 & 3OA09)**	CH 6 PRETEST WB 309-310 WB 315-316 WB 321-322 WB 341-342 WB 341-342	DIvision SCOOT Turkey Fact Family Art Project
	Use models and related multiplication facts to divide by 2.**(3OA02, 3OA03, 3OA04, 3OA06, 3OA07 & 3OA09)**	CH 6 Posttest	Study Jams Video (Scholastic.com) School House Rock Videos
	Use different strategies, including patterns, to multiply by 5.**(3OA01, 3OA03, 3OA04, 3OA05, 3OA07 & 3OA09)**	CH 7 Pretest WB 365-367 WB 377-378 WB 389-390 WB 403-404 WB 411-412 CH 7 Posttest	Division Vocabulary Triangle Foldable Divison Strategies Chart
	Use differnet strategies, including related multiplication facts, to divide by 5.**(3OA02, 3OA03, 3OA04, 3OA06 & 3OA07)**	CH 8 Pretest WB 429-430 WB 435-438 WB 441-444 WB 449-458 WB 463-464 CH 8 Posttest	

December 2015

Content ⊟	Skills ⊟	Assessment ⊟	Resources ⊟
**Continue Practicing Multiplication and Division Facts (3, 4, 6, 7, 8, 9, 11 - Unit Fractions - Part of a Whole or Part of a Set -Fractions on a Number Line -Equivalent Fractions -Fractions as One Whole -Comparing Fractions -*Problem Solving: Draw a Diagram*	🟦**Fractions** **(Pacing: 4 weeks) - Chapter 10** Explore and model unit fractions.**(3NF01)**	 CH 10 Pretest WB 569-572 WB 575-578 WB581-584	**Use Carol Thorton or Other Materials to Master Fact Fluency My Math, Grade 3, Book 2, Chapter 10

	Read and write fractions that name part of a whole.**(3NF01)** Use models to represent fractions that name part of a set.**(3NF01)** Draw a diagram to solve problems.**(3NF01)** Represent fractions on a number line.**(3NF01, 3NF02, 3NF02a & 3NF02b)** Use models to find equivalent fractions..**(3NF01, 3NF02, 3NF02a, 3NF02b, 3NF03, 3NF03a & 3NF03b)** Express whole numbers as fractions and recognize fractions equivalent to whole numbers...**(3NF01, 3NF02, 3NF02b, 3NF03, 3NF03a, 3NF03b & 3NF03c)** Use models to compare two fractions and record the reults....**(3NF01, 3NF02, 3NF02a, 3NF02b, 3NF03 & 3NF03d)**	SMARTIES Candy Activity Gumball or Ice Cream Sundae Fraction Art Fractions SCOOT Fractions on a Number Line Packet Equivalent Fractions SCOOT, Matching Game WB 601-604 WB 607-610 WB 613-616 CH 10 Posttest	My Math Ch 10 "My Learning Stations" Websites: IXL, commoncoresheets.com Apps: Virtual Manipulatives, Splash Math Brain Pop Jr. Videos: Basic Parts of a Whole, Fractions Parts of a Set, Equivalent Fractions Fractions on a Number Line Video, SCOOT

January 2016

Content ▣	Skills ▣	Assessment ▣	Resources ▣
-The Distributive & Associative Property -Writing & Evaluating Expressions -Writing & Solving Equations -Solving Two-Step Word Problems -*Problem Solving: Use Logical Reasoning*	**Properties and Equations** **(Pacing: 2 weeks) - Chapter 9 -** Explore how to take apart factors to multipy. **(3OA05 & 3OA07)** Apply the Distributive Property to find products. **(3OA05 & 3OA07)** Explore how to find the prduct of three factors. **(3OA05 & 3OA07)** Apply the Associative Property of Multiplication to find products.**(3OA05 & 3OA07)** Write expressions using the four operations. **(3OA05)** Wrtie, then find the value of expressions.. **(3OA08)** Represent one-and two-step word problems using equations with a variable.**(3OA08)** Represent and solve two-step word problems using equations with a variable.**(3OA08)** Use logical reasoning to solve problems. **(3OA08)**	CH 9 Pretest WB 501-508 Associative Property SCOOT WB 529-530 WB 533-536 WB 539-542 WB 557-559 (Review) CH 9 Posttest	My Math, Grade 3, Book 1, Chapter 9 My Math Ch 9 "My Learning Stations" Websites: IXL, Math Magician, Brain Pop (Distributive Property) Apps: Splash Math Brain Pop Video: Distributive Property, Associative Property Macaroni Associative Property Activity Translating Words to Expressions Worksheet Associative Property Roll Distributive Property Problem Solving

February 2016

Content ▣	Skills ▣	Assessment ▣	Resources ▣
- Estimate, Measure & Solve Capacity Problems -Estimate, Measure, & Solve Mass Problems -Tell Time to the Minute -Time Intervals (Elapsed Time) -*Problem Solving: Work Backwards*	**Measurement** **(Pacing: 3 weeks) - Chapter 11** Explore estimating and measuring liquid volume using metric units of capactiy. **(3MD02)** Use the four operations to solve one-step word problems involving liquid volume.**(3MD02 & 3OA03)** Explore estimating and mesuring metric units of mass.**(3MD02)** Use the four operations to solve one-step word problems involving mass.**(3MD02 & 3OA03)** Tell time to the nearest minute.**(3MD01)** Determine time intervals to solve problems. **(3MD01)** Work backward to solve problems.**(3MD01 & 3MD02)**	CH 11 Pretest WB 635-636 WB 639-642 WB 645-648 WB 651-656 WB 659-662 WB 669-670 CH 11 Posttest	My Math, Grade 3, Book 2, Chapter 11 My Math Ch 11 "My Learning Stations" Websites: IXL Apps: Splash Math Capacity SCOOT Exploring Capacity Activity Brain Pop Jr: Grams, Kilograms Grams/Kilograms SCOOT Exploring Mass Activity Brain POp Jr: Parts of a Clock, TIme to the Hour, Time to 1/4 & 1/2 Hour Time SCOOT I have Who Has (Time) Learn Zillion Elapsed Time Videos

March 2016

Content ▣	Skills ▣	Assessment ▣	Resources ▣
-Find Perimeter -Measure Area -Tile and Find Area of Rectangles -Area of Composite Figures -*Problem Solving: Draw a Diagram*	**Perimeter and Area** **(Pacing: 4 weeks) - Chapter 13** Explore finding the perimter of a figure.**(3MD08)** Find the unknown when swolving problems involving perimeter.**(3MD08)** Count unit squares to find the area of a figure. **(3MD05, 3MD5a, 3MD5b, 3MD06 & 3MD08)** Use addition to measure the are of a figure. **(3MD05, 3MD5a, 3MD5b, 3MD06, 3MD07 & 3MD08)** Use tiling to find the area of rectangles.**(3MD05, 3MD5a, 3MD5b, 3MD06, 3MD07, 3MD07a & 3MD7b)** Use the formula for area to find the area of rectangles. **(3MD05, 3MD5a, 3MD5b, 3MD06, 3MD07, 3MD07a, 3MD7b & 3MD08)**	CH 13 Pretest WB 759-762 WB 765-768 WB 771-774 WB 779-782 WB 785-788 WB 791-794 WB 797-800 WB 805-808 CH 13 Posttest	My Math, Grade 3, Book 2, Chapter 13 My Math Ch 13 "My Learning Stations" Websites: IXL Apps: Splash Math Island Conquer Game Brain Pop Jr: Area & Perimeter Area & Perimeter Task Cards Distributive Property Graphing Activity Cheese-It Activity Area of Composite Figures SCOOT Geoboards

April 2016

Content ▣	Skills ▣	Assessment ▣	Resources ▣

- Angles -Polygons (Triangles, Quadrilaterals) -Attributes of Quadrilaterals -Partitioning Shapes -*Problem Solving: Guess, Check, and Revise*	**Geometry** **(Pacing: weeks) - Chapter 14** Explore angles of two-dimensional figures. **(3G01)** and classify polygons by their attributes. **(3G01)** Describe and classify triangles by their attributes. **(3G01)** Identify, describe, and classify quadrilaterals by their attributes. **(3G01)** Describe the shared attributes of quadrilaterals. **(3G01)** Use the guess, check, and revise strategy to solve problems. **(3G01)** Partition shapes into equal sections and write unit fractions to represent each area. **(3G02**	CH 14 Posttest WB 833-836 WB 839-842 WB 845-848 WB 851-854 WB 859-862 CH 14 Posttest	My Math, Grade 3, Book 2, Chapter 14 My Math Ch 14 "My Learning Stations" Websites: IXL Apps: Splash Math Geoboards The Greedy Triangle by Marilyn Burns Brain POP: Polygons, Triangles, Points, Lines, Segments, Rays Polygon SORT Quadrilaterals Song & SCOOT

May 2016

Content ⊟	Skills ⊟	Assessment ⊟	Resources ⊟
-Collect & Record Data -Draw Scaled Picture Graphs and Bar Graphs -Relate Bar Graphs to Picture Graphs -Draw and Analyze Line Plots -Measure to Halves & Fourths of an Inch -Collect and Display Measurement Data -*Problem Solving: Solve a Simpler Problem*	**Represent and Interpret Data** **(Pacing: 2 weeks) - Chapter 12** Collect and record data through observations and surveys. **(3MD03 & 3MD04)** Draw a scaled picture graph.**(3MD03)** Draw scaled bar graphs..**(3MD03)** Relate bar graphs to scaled picture graphs.. **(3MD03)** Draw, organize, and analyze data in line plots.. **(3MD04)** Measure lengths to the nearest half inch and nearest quarter inch..**(3MD04)** Collect and display measurement datat to fractions of an inch..**(3MD03 3OA03)** Solve problems by solving a simpler problem.. **(3MD03 & 3MD04)**	CH 12 Pretest WB 691-694 WB 697-700 WB 703-706 WB 709-712 WB 715-718 WB 723-726 WB 729-732 CH 12 Posttest	My Math, Grade 3, Book 2, Chapter 12 My Math Ch 12 "My Learning Stations" Websites: IXL Apps: Splash Math Brain POP, Jr: Tally Charts & Bar Graphs, Pictographs, Inches & Feet Line Plot Activity