Subject: _____ **Mathematics** _____   **GREENEVILLE CITY SCHOOLS - CURRICULUM MAPPING GRID**   **Grade Level:** ___3___

STRANDS	\<br\>MONTHS									
	August	**September**	**October**	**November**	**December**	**January**	**February**	**March**	**April**	**May**
PS – Problem Solving	*Skip count by 10s from any whole # less than 1000 \<br\>\<br\>*ID even/odd to 100 \<br\>\<br\>*Relate add. to subtraction \<br\>\<br\>*#Patterns \<br\>\<br\>*Order whole #s to 10,000s \<br\>\<br\>*Place value to 10,000s \<br\>\<br\>*Counting Order	*Count by 10s, 100s, 1000s from any whole # \<br\>\<br\>*Ordinals \<br\>\<br\>*Flexible ways to show 9999 (standard, word, expanded,etc.) \<br\>\<br\>**PS** \<br\>*Write/ID real world situations using +- \<br\>\<br\>*Strategies +- whole #s \<br\>\<br\>*Add/Subt. w/wout regrouping and across 0 \<br\>\<br\>*Place Value Models	*Mult. as repeated addition \<br\>\<br\>*Use known mult. facts \<br\>\<br\>*Use mult. facts 0-5,10, and 11 as factor \<br\>\<br\>**PS** \<br\>*PS to determine related product	*Compare whole #s to 9999 using <>= \<br\>\<br\>*Round/Estimate using 10s/100s \<br\>\<br\>**PS** \<br\>*Use estimation to justify the reasonableness of a solution \<br\>\<br\>*Explain/justify solution strategies \<br\>\<br\> *Select/Apply PS strategies (organized list, guess and check, diagram, table) \<br\>\<br\>*2 step word problems with add/subt	*Relate division to multiplication \<br\>\<br\>*Double digit x single digit mult . \<br\>\<br\>*Use a calculator				*Use models or pictures to show fractions that are < half > half or = \<br\>\<br\>*Connect representations of fractions with denominators to 10 \<br\>\<br\>*Compare denominators to 10 \<br\>\<br\>*Compare ½, 1/3, ¼	*Division with Remainders
Number And Operations	(Fact Families) \<br\>\<br\>*Add and subt. 2-3 digit #s w/out regrouping	*Thinking strategies to add/subt.(sums of 10, doubles + 1) \<br\>\<br\>*Explain reasonableness of a solution								
Measurement					*Measure to the nearest cm, ft, ½ in., inch \<br\>\<br\>*Relationship of inch, foot, yard \<br\>\<br\>*Measure to the nearest oz, lb, g, kg \<br\>\<br\>*Capacity – Liter, cup, pint, quart, gallon \<br\>\<br\>*Read thermometer in Fahrenheit and Celsius \<br\>\<br\>*Find the perimeter of polygons	*Count the value of coins and bills to $5 \<br\>\<br\>**PS** \<br\>*Make change from $1 \<br\>\<br\>*Compare and order decimal amounts in $	*Read and write time up to minute \<br\>\<br\>*Different ways to write ¼ and ½ past/till \<br\>\<br\>**PS** \<br\>*real world problems using elapsed time to ½ hour and 5 minute intervals \<br\>\<br\>*Estimate time		

					*Estimate measurement ***PS** Real World PS					
Geometry					*Recognize, name, build, and draw, and compare 2 and 3 dimensional shapes *Recognize congruency in 2 d shapes *ID horizontal and vertical lines *ID on grid using whole #s *Ordered pairs *Symmetry **PS** *Compare/ Contrast using 2 and 3 d shapes *Use/ID slide, flip, and turn on 2d shapes *Take apart and put together 2 and 3 d shapes					
Algebra	*Recognize, describe, extend, translate and create patterns. *Describe growing patterns *Extend repeating and growing # pattern	*Apply the commutative property of + *Show subt. is not commutative *Apply +/- property of 0 *Apply 0 and identity property of x	*Describe and apply commutative property of x *Use arrays to represent commutative property of x *Sorting	*Input/Output + - x *Connect open sentences to real world	*Extend a repeating and growing geometric pattern *Represent repeating geometric patterns as repeating # patterns		*Interpret and solve open sentences (+-x) *Equations (6+7) = 3+3+7		*Describe qualitative and quantitative change	
Data Analysis and Probability	*Create pictographs and bar graphs *Read/Interpret tables, bar graphs, pictographs **PS** *Real world using tables *Pose questions and gather data to answer questions	*Create tales using tally marks	(These skills are ongoing throughout the year)	>>>>>>>>>>>>>>	>>>>>>>>>	>>>>>>>>>>>>>>		**PS** *Make and justify predictions based on data	*Event likely/unlikely *Certain, possible, or impossible *Possible outcomes of spinner, coin toss, and # cubes *Probability	
Related	*The 512 Ants on Sullivan St.	*The King's Commissioners	*Each Orange Had Eight Slices	*The Backyard Treasure	*Optical Tricks *The Greedy	*Pigs in the Pantry *Sir Circumference	*The Day I Was Rich	*Time *Pigs on a	*Hershey's Fraction Book	*A Remainder of One

Literature	*Even Steven and Odd Todd *Cats Add Up *Spaghetti and Meatballs for All	*100 Hungry Ants	*Hershey's Multiplication Book *Just For Fun *The Best of Times	*The Grapes of Math *Just Enough Carrots *Ben Franklin and the Magic Square	Triangle *A Cloak for the Dreamer *Shape Safari *Village of Round and Square Houses	*Metric Can Be Fun *Hershey's Weights and Measures *The Best Guess *Racing Around	*The Lunch Line *A Quarter From the Tooth Fairy *If You Made a Million *The Case of the Shrunken Allowance *The Hundred Penny Box *Pigs Will Be Pigs *26 Letters and 99 Cents *Money Troubles *Jellybeans For Sale *How Much is That Guinea Pig?	Blanket *Somewhere in the World Right Now *Berenstein Bears On Time *Just a Minute	*Fraction Action *Eating Fractions *Pizza Pizzazz	
Projects	*Math Resource Booklet *Apple Pictograph *Birthday Graph Tally/ Bar	*Hundreds/Thousands Game *Art Activity-	*Home Project-Arrays *Connecting Cube Activity *Graph Art (ongoing) *Food and Multiplication Activities	*Multiplication *<> Game	*Geome-"tree" (12 Days of Christmas) *Making borders with geometric patterns *Using geometric shapes for candles and ornaments *Cloak with geometric designs *Polygon Person *Zigertan Art *Construct a drum and gift box		*Speaker from Altrista	*Winter "Time"	*Candy Bar Math	
Technology And Games	*Math Shark		*Multiplication Country CD *Learning Step Games	*Ballpark Figures Game	*Tessellation Tiles *Geometric Puzzles	*Prehistoric Times Games	*Money Bingo *Video – The Money Story	*Time Bingo *Learning Step Games	*Probability Games *Fraction Flash Cards *Advanced Fraction Bingo	*Dinosaur Division Game
Assessment	Assessments are completed through a variety of ways: Teacher made	*Anthony Reynoso Problem Solving *Flexible Ways to Write		.	*Mid-year Math Assessment		* Multiplication 6,7,8,9 math award tests	*Begin Test Prep *AM/PM Boxes	*Probability Flip Book	*Complete 3rd grade math assessment *Division Flip Book

	tests, observations, games, cooperative activities, projects, and study folders.>>>>>>	Numbers Color Cards								