Norristown Area School District **2nd Grade** **Mathematics**

Scope and Sequence:

Order of Instruction:	**Topic/Skills to be Taught:**	**Standards and Eligible Content:**
1	Number Sense and Place Value	**CC.2.1.2.B.1 - Use place value concepts to represent amounts of tens and ones and to compare three digit numbers** **CC.2.1.2.B.2 - Use place-value concepts to read, write, and skip count to 1000.** **CC.2.2.2.A.2 - Use mental strategies to add and subtract within 20.**
2	Addition and Subtraction Concepts ● Addition Properties ● Count On to Add ● Doubles and Near Doubles ● Make a 10 ● Add Three Numbers ● Count Back to Subtract ● Subtract All and Subtract Zero ● Use Doubles to Subtract ● Relate Addition and Subtraction ● Missing Addends ● Fact Families ● Two-Step Word Problems ● Problem Solving	**CC.2.2.2.A.3 - Use mental strategies to add and subtract within 20 (fluency up to 20)** **CC.2.2.2A.3 - Work with equal groups of objects to gain foundations for multiplication.** **CC.2.1.2.B.3 - Use Place Value understanding and properties of operations to add and subtract within 1000.** **CC.2.2.2.A.1 - Represent and solve problems involving addition and subtraction within 100.**
Order of Instruction:	**Topic/Skills to be Taught:**	**Standards and Eligible Content:**
3	Number Patterns ● Skip Count on a Hundreds Chart ● Skip Count by 2s, 5s, 10s and 100s ● Repeated Addition ● Repeated Addition with Arrays ● Even and Odd Numbers ● Sums of Equal Numbers	**CC.2.1.2.B.2 - Use place value concepts to read, write and skip count to 1000.** ***M03.B-O.1.1.1** Interpret and/or describe products of whole numbers (up to and including 10 × 10).

	● Problem Solving ● *Introduce and Model Multiplication as Repeated Addition and Equal Groups	
4	Add Two-Digit Numbers ● Take Apart Tens to Add ● Regroup Ones and Tens ● Add to a Two-Digit Number ● Add Two-Digit Numbers ● Rewrite Two-Digit Addition ● Add Three or Four Two-Digit Numbers	**CC.2.1.2.B.3 - Use place-value understanding and properties of operations to add and subtract within1000.**
5	Subtract Two-Digit Numbers ● Two-Digit Fact Families ● Take Apart Tens to Subtract ● Regroup a Ten as Ones ● Subtract From a Two-Digit Number ● Rewrite Two-Digit Subtraction ● Check Subtraction ● Two-Step Word Problems ● Problem Solving	**CC.2.1.2.B.3 - Use Place Value understanding and properties of operations to add and subtract within 1000.** **CC.2.2.2.A.1 - Represent and solve problems involving addition and subtraction within 100.**

Order of Instruction:	**Topic/Skills to be Taught:**	**Standards and Eligible Content:**
6	Place Value to 1,000 ● Hundreds ● Hundreds, Tens and Ones ● Place Value to 1,000 ● Read and Write Numbers to 1,000 ● Count by 5s, 10s and 100s ● Compare Numbers to 1,000 ● Problem Solving	**CC.2.1.2.B.1 - Use place value concepts to represent amounts of tens and ones and to compare three digit numbers.**

7	Add Three-Digit Numbers ● Make a Hundred to Add ● Add Hundreds ● Mentally Add 10 or 100 ● Regroup Ones to Add ● Regroup Tens to Add ● Add Three-Digit Numbers ● Rewrite Three-Digit Addition ● Problem Solving	**CC.2.1.2.B.3 - Use Place Value understanding and properties of operations to add and subtract within 1000.** **CC.2.1.2.A.1 - Represent and solve problems involving addition and subtraction within 100.**
8	Subtract Three-Digit Numbers ● Take Apart Hundreds to Subtract ● Subtract Hundreds ● Mentally Subtract 10 or 100 ● Regroup Tens ● Regroup Hundreds ● Subtract Three-Digit Numbers ● Rewrite Three-Digit Subtractions ● Subtract Across Zeros ● Problem Solving	**CC.2.1.2.B.3 - Use place-value understanding and properties of operations to add and subtract within 1000.** **CC.2.2.2.A.1 - Represent and solve problems involving addition and subtraction within 100.**
Order of Instruction:	**Topic/Skills to be Taught:**	**Standards and Eligible Content:**
9	Money ● Pennies, Nickels and Dimes ● Quarters ● Count Coins ● Dollars ● Problem Solving	**CC.2.4.2.A.3 - Solve problems and make change using coins and paper currency with appropriate symbols.** **CC.2.2.2.A.1 - Represent and solve problems involving addition and subtraction within 100.**
10	Data Analysis ● Take a Survey ● Make Picture Graphs ● Analyze Picture Graphs	**CC.2.4.2.A.4 - Represent and interpret data using line plots, picture graphs and bar graphs.**

	● Make Bar Graphs ● Analyze Bar Graphs ● Make Line Plots ● Analyze Line Plots ● Problem Solving	
11	Time ● Time to the Hour ● Time to the Half Hour ● Time to the Quarter Hour ● Time to Five Minute Intervals ● A.M. and P.M. ● Problem Solving	**CC.2.4.2.A.2 - Tell and write time to the nearest five minutes using both analog and digital clocks.**
Order of Instruction:	**Topic/Skills to be Taught:**	**Standards and Eligible Content:**
12	Customary and Metric Lengths ● Inches ● Feet and Yards ● Select and Use Customary Lengths ● Compare Customary Lengths ● Relate Inches, Feet and Yards ● Centimeters and Meters ● Select and Use Metric Tools ● Compare Metric Lengths ● Relate Centimeters and Meters ● Measure on a Number Line ● Measurement Data ● Problem Solving	**CC.2.4.2.A.1 - Measure and estimate lengths in standard units using appropriate tools.** **CC.2.4.2.A.6 - Extend concepts of addition and subtraction to problems involving length.**
13	Geometric Shapes and Equal Shares ● Two-Dimensional Shapes ● Sides and Angles ● Three-Dimensional Shapes ● Faces, Edges and Vertices ● Relate Shapes and Solids	**CC.2.3.2.A.1 - Analyze and draw two and three-dimensional shapes having specified attributes.** **CC.2.3.2.A.2 - Use the understanding of fractions to partition shapes into halves, quarters and thirds.**

	● Halves, Thirds and Fourths ● Area ● Problem Solving	
14	Bridging to 3rd Grade: ● Place value ● Repeated addition/multiplication ● Regrouping ● Basic fact fluency ● Skip counting	**CC.2.1.2.B.1 - Use place-value concepts to represent amounts of tens and ones and to compare three digit numbers.** **CC.2.1.2.B.2 - Use place-value concepts to read, write, and skip count to 1000.** **CC.2.2.2.A.3 - Work with equal groups of objects to gain foundations for multiplication.**