1st Grade Mathematics Teaching & Learning Framework

Semester 1			Semester 2		
Unit 1 7 weeks	**Unit 2** 7 weeks	**Unit 3** 4 weeks	**Unit 4** 8 weeks	**Unit 5** 8 weeks	**Unit 6** 2 weeks
Extending Number Sequence Understanding to Build, Compare and Interpret Numbers Within 120 **1.NR.1** **1.MDR.6**	**Building and Explaining the Relationship Between Addition and Subtraction** **1.NR.2**	**Sorting, Sifting, Shifting Shapes and Patterns** **1.PAR.3** **1.GSR.4** **1.MDR.6**	**Exploring Meaningful Measurements** **1.MDR.6** **1.NR.2**	**Problem Solving to Answer Real-Life Questions** **1.NR.1,2,5** **1.MDR.6**	**Culminating Capstone Unit**
1.MDR.6.4 (Analyze graphical displays) **1.NR.1.1** (Count within 120) **1.NR.1.2** (Two-digits represents tens and ones) **1.NR.1.3** (Compare numbers)	**1.NR.2.4** (Add subtract within 10 fluently) **1.NR.2.5** (Meaning of equal sign) **1.NR.2.6** (Determine the unknown) **1.NR.2.2** (Add subtract within 20 using strategies/strings) **1.NR.2.3** (Add subtract within 20 using inverse relationship) **1.NR.2.1** (Add subtract within 20) **1.NR.2.7** (Word problem situations within 20) ***1.NR.1*** *(Count forward and backward within 120)*	**1.PAR.3.1** (Repeating patterns) **1.PAR.3.2** (Growing, shrinking, repeating patterns) **1.GSR.4.1** (Identify 2-D/3-D shapes, sort and classify) **1.GSR.4.2** (Compose shapes) **1.GSR.4.3** (Partitioning) **1.MDR.6.4** (Analyze graphical displays)	**1.MDR.6.1** (Determining length and ordering objects) **1.MDR.6.2** (Time and elapsed time to the hour) **1.MDR.6.3** (Value of coins) **1.MDR.6.4** (Analyze graphical displays) **1.NR.2.4** (Add subtract within 10 fluently) ***1.NR.1*** *(Place Value)* ***1.NR.2*** *(Solve addition & subtraction within 20)*	**1.NR.2.4** (Add subtract within 10 fluently) **1.NR.5.2** (Mentally find 10 more or 10 less) **1.NR.5.3** (Add/subtract multiples of 10) **1.NR.5.1** (Add subtract one- and two-digit whole numbers within 100) **1.MDR.6.4** (Analyze graphical displays) ***1.MDR.6*** *(Estimate, measure, & record lengths)* ***1.NR.1*** *(Compare numbers up to 100)* ***1.NR.2*** *(Word problem situations within 20)* ***1.GSR.4*** *(Partitioning)* ***1.PAR.3*** *(Patterns)*	**All standards.**

Units contain tasks that depend upon the concepts addressed in earlier units. Mathematical standards are interwoven and should be addressed throughout the year in as many different units and tasks as possible in order to stress the natural connections that exist among mathematical topics.

The Framework for Statistical Reasoning, Mathematical Modeling Framework, and the K-12 Mathematical Practices should be taught throughout the units.

Key for Course Standards: NR: Numerical Reasoning, PAR: Patterning & Algebraic Reasoning, GSR: Geometric & Spatial Reasoning, MDR: Measurement & Data Reasoning