Kindergarten Mathematics Teaching & Learning Framework

Semester 1				Semester 2				
Unit 1 5 weeks	**Unit 2** 3 weeks	**Unit 3** 5 weeks	**Unit 4A** 5 weeks	**Unit 4B** 5 weeks	**Unit 5** 4 weeks	**Unit 6** 3 weeks	**Unit 7** 4 weeks	**Unit 8** 2 weeks
Wondering About My World & Investigating to Find Answers **K.NR.1,2,4** **K.MDR.7**	**2-D Shapes in My World** **K.GSR.8** **K.MDR.7** **K.PAR.6**	**How Many? (Numbers Up to 20)** **K.NR.1,2,3,4**	**Understanding and Using Addition and Subtraction in My Life** **K.NR.5** **K.PAR.6**	**Understanding and Using Addition and Subtraction in My Life** **K.NR.5** **K.PAR.6** **K.MDR.7**	**Using Numbers within 20** **K.NR.1,2,3,5**	**3-D Shapes in My World** **K.GSR.8** **K.MDR.7**	**Using Numbers & Data to Make Sense of My World** **K.NR.3,5** **K.PAR.6** **K.MDR.7**	**Culminating Capstone Unit**
K.MDR.7.3 (Ask and answer questions on gathered information) **K.NR.1.1** (Counting up to 10 objects) **K.NR.1.2** (Cardinality within 10) **K.NR.4.1** (Identify written numerals 0-10) **K.NR.4.2** (Compare two sets of objects up to 10 total using "greater than", "less than", or "the same as") **K.NR.2.1** (Counting to 50 by ones and tens)	**K.GSR.8.1** (Identify, sort, classify, analyze, and compare 2D shapes) **K.GSR.8.2** (Describe the location with positional words) **K.GSR.8.3** (Create models and drawings using basic shapes to represent shapes in the environment) **K.GSR.8.4** (Use two or more basic shapes to form larger shapes) **K.MDR.7.2** (Sort objects by attributes) **K.PAR.6.1** (Create, extend, and describe patterns)	**K.NR.1.1** (Counting up to 20 objects) **K.NR.1.2** (Cardinality within 20) **K.NR.1.3** (Identify one more or one less from 1-20) **K.NR.2.1** (Counting to 100 by ones and tens, counting backwards from 20) **K.NR.3.1** (Composing and decomposing teen numbers) **K.NR.4.1** (Identify and write numerals 0-20) **K.NR.4.2** (Compare two sets of objects up to 20 total "greater than", "less than", or "the same as") **K.NR.1.4** (Identify names and values of pennies, nickels, and dimes)	**K.NR.5.1** (Compose and decompose numbers up to 5) **K.NR.5.2** (Represent addition and subtraction within 5 from a given authentic situation) **K.NR.5.3** (Solve addition and subtraction problems within 5) **K.NR.5.4** (Fluently add and subtract within 5 using a variety of strategies) **K.PAR.6.1** (Create, extend, and describe patterns)	**K.NR.5.1** (Compose and decompose numbers up to 10) **K.NR.5.2** (Represent addition and subtraction within 10 from a given authentic situation) **K.NR.5.3** (Solve addition and subtraction problems within 10) **K.NR.5.4** (Fluently add and subtract within 5 using a variety of strategies) **K.PAR.6.1** (Create, extend, and describe patterns) **K.PAR.6.2** (Describe patterns involving the passage of time) **K.MDR.7.3** (Ask and answer questions on gathered information)	**K.NR.3.1** (Composing and decomposing teen numbers) **K.NR.2.1** (Counting to 100, counting backwards from 20) **K.NR.2.2** (Counting forward from any given number) **K.NR.5.3** (Solve addition and subtraction problems within 10) **K.NR.1.4** (Identify names and values of pennies, nickels, and dimes) *K.NR.4 (Write & represent numerals 0-20)*	**K.GSR.8.1** (Identify, sort, classify, analyze, and compare 3D shapes) **K.GSR.8.2** (Describe location) **K.GSR.8.3** (Create models and drawings) **K.GSR.8.4** (Form larger shapes from 2 or more shapes) **K.MDR.7.1** (Compare, describe, and order objects) **K.MDR.7.2** (Sort objects by attributes)	**K.MDR.7.3** (Ask/answer questions on gathered info.) **K.NR.3.1** (Compose & decompose teen numbers) **K.NR.5.3** (Solve add/subtract within 10) **K.NR.5.4** (Fluently add & subtract within 5) **K.PAR.6.1** (Create, extend, and describe patterns) **K.PAR.6.2** (Describe time patterns) *K.NR.1 (Cardinality within 20)* *K.NR.2 (Counting forward from any number within 100 and backward within 20)* *K.NR.4 (Compare numerals 0-20)*	**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