KG2 Unit 1 Math Scope and Sequence 2016/2017

Time frame	Unit Name	Enduring Understandings	Knowledge	Skills
12 weeks	**Unit 1: All About Me** Theme 1: Number and Operations Theme 2: Algebra Theme 3: Geometry Theme 4: Data Anaylsis and Probability Theme 5: Process Standards **Main Idea:** Math is everywhere, and numbers, shapes, colors and signs all have specific attributes. **Unit Question:** How is math used in daily life? **Learner Profile:** Risk-Takers; Principled; Caring **Performance Based Assessment Task:** Complete the Math Book demonstrating gained knowledge and skills.	**THEME:** *Number and Operations* 1. Numbers represent a set quantity. *Algebra* 2. There are rules that govern patterns and classifications *Geometry* 3. Shapes have specific attributes *Data Anaylsis and Probability* 4. Data can be collected, organized and displayed in different ways *Process Standards* 5. Math is everywhere and Math knowledge and skills can be used to solve problems in a variety of settings and real life experiences	K1.1 Numbers are different from letters. K1.2 Each number always represents the same quantity. K1.3 Each number has its own shape and form. K1.4 Numbers have a specific order and can be rote counted. K2.1 A pattern is a repeated design. K2.2 Objects can be sorted and classified depending on their attributes. K3.1 Each shape has a specific form, shape and number of sides. K4.1 Objects can be counted and represented with a number or picture of the same number of objects. K4.2 A graph is a visual way to organize collected data. K5.1 Problems can be solved using a variety of methods and this can be communicated and connected to the world.	S1.1 Distinguish between a number and a letter. S1.2 Use one-to-one correspondence to arrange and compare sets, and quantify given numbers. S1.3 Identify and recognize numbers 0-20, and write numbers 0-10. S1.4 Fill in missing numbers, and rote count to 20. S2.1 Predict, extend, complete and create a simple pattern. S2.2 Sort and classify objects according to size and color. S3.1 Identify, name and draw the five taught 2D shapes. S4.1 Count out given objects and write the corresponding number or draw the same number of objects. S4.2 Complete a class graph and discuss the data collected. S5.1 Communicate reasoning when problem solving simple tasks and recognize and make connections with the world.