Curriculum Map

Course Title: Math   **Grade:** 5th

Unit (Name/Number): Step Up to Grade 6	Pacing: Finish as possible by end of school year (after satisfactorily completing 5th grade curriculum)
Essential Question(s): How can I prepare myself for sixth grade math?	

Content/Key Concepts (Eligible Content)	Standards	Key Vocabulary	Learning Activities/Resources	Evidence of Learning (Assessments; Performance Tasks)
DEVELOP AND/OR APPLY NUMBER THEORY CONCEPTS TO FIND COMMON FACTORS AND MULTIPLES. **A1.1.1.2.1 Find the Greatest Common Factor (GCF) and/or the Least Common Multiple (LCM) for sets of monomials.**	**Common Core** 6.NS.4 **PA Core Standards** CC.2.1.6.E.3	 ● greatest common factor (GCF) ● common factor ● least common multiple (LCM)	6th Grade Lesson 11: Common Factors and Multiples	As determined by teacher discretion
UNDERSTAND RATIO CONCEPTS AND USE RATIO REASONING TO SOLVE PROBLEMS. **M06.A-R.1.1.1 Use ratio language and notation (such as 3 to 4, 3:4, 3/4) to describe a ratio relationship between two quantities.** Example 1: "The ratio of girls to boys in a math class is 2:3 because for every 2 girls there are 3 boys." Example 2: "For every five votes candidate A received, candidate B received four votes." **M06.A-R.1.1.2 Find the unit rate a/b associated with a ratio a:b (with b ≠ 0) and use rate language in the context of a ratio relationship.** Example 1: "This recipe has a ratio of 3 cups of flour to 4 cups of sugar, so there is 3/4 cup of flour for each cup of	**Common Core** 6.RP.1, 6.RP.2, 6.RP.3a, 6.RP.3b **PA Core Standards** CC.2.1.6.D.1	● ratio ● terms ● rate ● unit rate ● proportion	6th Grade Lesson 1: Ratios 6th Grade Lesson 2: Understand Unit Rate 6th Grade Lesson 3: Equivalent Ratios 6th Grade Lesson 4: Solve Problems with Unit Rate 6th Grade Lesson 5: Solve Problems with Percent Math Snacks resources (Bad Date; Ratey, the Math Cat; Atlantean Dodgeball)	

sugar." Example 2: "We paid $75 for 15 hamburgers, which is a rate of $5 per hamburger." **M06.A-R.1.1.3 Construct tables of equivalent ratios relating quantities with whole-number measurements, find missing values in the tables, and/or plot the pairs of values on the coordinate plane. Use tables to compare ratios.** **M06.A-R.1.1.4 Solve unit rate problems including those involving unit pricing and constant speed.** Example: If it took 7 hours to mow 4 lawns, then at that rate, how many lawns could be mowed in 35 hours? At what rate were lawns being mowed? **<u>DEMONSTRATE AN UNDERSTANDING OF STATISTICAL VARIABILITY BY DISPLAYING, ANALYZING, AND SUMMARIZING DISTRIBUTIONS</u>.** **M06.D-S.1.1.2 Determine quantitative measures of center (e.g., median, mean, mode)**	**<u>PA Core Standards</u>** CC.2.4.6.B.1	- mean - median - mode - range - cluster - outlier - MAD (mean absolute deviation) - skewed left - skewed right - peak - symmetrical graphs	6th Grade Lesson 27: Measures of Center and Variability