Recommended P3 / Grade 3 Curriculum Framework

Content: MATHEMATICS – P3 / Grade 3						
Topic: Number Sense / Algebraic Ideas (number patterns) (Weeks 1-5)						
Content (What do your students need to KNOW?)	**Demonstrators** (What do your students need to be able to DO?)	**Assessment** (How will you assess what your students ALREADY KNOW, and assess WHAT THEY'VE LEARNED?)	**Activities** (HOW will you teach it?)	**Resources** (What MATERIALS will you need?)	**Differentiation** (How will you reach the DIVERSITY of learners?)	**Literacy Connection** (How will you use READING and WRITING with this material?)
CONCEPTS-Students will describe properties of, define, give examples of, and apply to both real-world and mathematical situations: **MA-E-1.1.1** Whole numbers (**0 to 10,000**) **MA-E-1.1.3** Composite and prime numbers	**AE 2.7** Students understand number concepts and use numbers appropriately and accurately. **AE 2.11** Students understand mathematical change concepts and use them appropriately and accurately. **AE 2.12** Students understand mathematical structure concepts including properties and logic of various mathematical systems. **POS-M-P-NC-20** Students will read, write, and model whole numbers, 0-10,000, developing place value for ten thousands. **CA** Students will recognize and write number words to 10,000. **CA** Students will explore prime and composite numbers.	**STAR Math** **MST (Math Standards Test)-P2 / Form A** **(Cut-off: 30/40)**				

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MA-E-1.1.4 Place value, expanded form, number magnitude (order, compare) **MA-E-1.1.5** Multiple representations of numbers (e.g., drawings, manipulative, symbols) **SKILLS-Students will perform mathematical operations and procedures accurately and efficiently, explain how the skills work in real-world or mathematical situations, and are able to:** **MA-E-1.2.1** Read, write, and rename whole numbers (**0 to 10,000**) **MA-E-1.2.5** Estimate quantities of objects **MA-E-1.2.9** Order and compare (>, <, =) whole numbers **MA-E-4.2.1** Find rules for, extend, and create patterns	**POS-M-P-NC-22** Students will understand the relative magnitude of whole numbers from 0-10,000 (**CA**- understand place value to 10,000). **POS-M-P-NC-23** Students will explore appropriate estimation procedures. **CA** Students will explore rounding of whole numbers. **POS-M-P-NC-21** Students will order and compare numbers from 0-10,000. **POS-M-P-A-15** Students will recognize, extend, and explain rules for a number pattern.					

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RELATIONSHIPS-Students will make connections between concepts and skills, show how connections are made, explain why procedures work, and/or make generalizations about mathematics by showing: **MA-E-1.3.3** How the base 10 number system relates to place value (e.g., ten tens make one hundred) **MA-E-4.3.2** How rules involving number patterns can be explained	**CA** Students will explore Roman numerals.					