



Recommended P2 / Grade 2 Curriculum Framework

**Content: MATHEMATICS – P2 / Grade 2**

**Topic: Computation (facts to 18) / Algebraic Ideas (functions) (Weeks 7-12)**

<p><b>Content</b> (What do your students need to KNOW?)</p>	<p><b>Demonstrators</b> (What do your students need to be able to DO?)</p>	<p><b>Assessment</b> (How will you assess what your students ALREADY KNOW, and assess WHAT THEY'VE LEARNED?)</p>	<p><b>Activities</b> (HOW will you teach it?)</p>	<p><b>Resources</b> (What MATERIALS will you need?)</p>	<p><b>Differentiation</b> (How will you reach the DIVERSITY of learners?)</p>	<p><b>Literacy Connection</b> (How will you use READING and WRITING with this material?)</p>
<p><b>CONCEPTS-Students will describe properties of, define, give examples of, and apply to both real-world and mathematical situations:</b></p> <p><b>MA-E-1.1.2</b> The operations of addition, subtraction</p> <p><b>MA-E-1.1.5</b> Multiple representation of numbers (e.g., drawings, manipulative, symbols)</p> <p><b>MA-E-4.1.1</b> Functions (input-output) through pictures, tables, and words</p>	<p><b>AE 2.8</b> Students understand various mathematical procedures and use them appropriately and accurately.</p> <p><b>AE 2.11</b> Students understand mathematical change concepts and use them appropriately and accurately.</p> <p><b>CA</b> Students will know addition and subtraction facts to 18.</p> <p><b>CA</b> Students will generate fact families using inverse operations (<math>4 + 2 = 6</math>, <math>6 - 2 = 4</math>).</p> <p><b>POS-M-P-A-11</b> Students will use function machines.</p>					

**Content: MATHEMATICS – P2 / Grade 2**

**Topic: Computation (facts to 18) / Algebraic Ideas (functions) (Weeks 7-12)**

<p><b>Content</b> (What do your students need to KNOW?)</p>	<p><b>Demonstrators</b> (What do your students need to be able to DO?)</p>	<p><b>Assessment</b> (How will you assess what your students ALREADY KNOW, and assess WHAT THEY'VE LEARNED?)</p>	<p><b>Activities</b> (HOW will you teach it?)</p>	<p><b>Resources</b> (What MATERIALS will you need?)</p>	<p><b>Differentiation</b> (How will you reach the DIVERSITY of learners?)</p>	<p><b>Literacy Connection</b> (How will you use READING and WRITING with this material?)</p>
<p><b>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:</b>  <b>MA-E-1.2.2</b> Add, subtract whole numbers using a variety of methods (e.g., mental, paper and pencil, calculator)   <b>MA-E-1.2.6</b> Estimate computational results using an appropriate strategy   <b>MA-E-4.2.3</b> Find solutions to number sentences with a missing value (e.g., <math>7 + N = 10</math>)</p>	<p><b>CA</b> Students will do column addition.   <b>CA</b> Students will use number sentences to solve one- and two-step story problems.   <b>CA</b> Students will use calculators to explore number patterns, and to add and subtract.   <b>CA</b> Students will estimate sums and differences.   <b>POS-M-P-A-10</b> Students will explore unknowns and open sentences to express relations.   <b>CA</b> Students will find missing addends.   <b>CA</b> Students will use appropriate math vocabulary (e.g., plus, add, minus, subtract).</p>					