

## Primary 2/3 Mathematics

Focus Area	Learning Outcomes
<p><b>NUMBER AND ALGEBRA</b></p> <ol style="list-style-type: none"> <li>1. Whole Numbers               <ol style="list-style-type: none"> <li>a. Numbers up to 100</li> <li>b. Numbers up to 1000</li> <li>c. Addition and Subtraction</li> <li>d. Multiplication and Division</li> </ol> </li> </ol>	<ul style="list-style-type: none"> <li>• Use appropriate notations, symbols and conventions to present and communicate mathematical idea</li> <li>• Reason inductively and deductively by:               <ul style="list-style-type: none"> <li>* Observing patterns, similarities and differences</li> <li>* Drawing logical conclusions and making inferences</li> <li>* Explaining or justifying solutions, writing out the solutions mathematically</li> </ul> </li> <li>• Make connections within mathematics and between mathematics and everyday life</li> <li>• Apply mathematics concepts and skills to solve problems in a variety of contexts within or outside mathematics, including:               <ul style="list-style-type: none"> <li>* Identifying the appropriate mathematical representations for a problem</li> <li>* Using appropriate mathematical concepts, skills (including tools and algorithm) to solve a problem</li> <li>* Interpreting the mathematical solution in the context of the problem and making sense of the solution</li> </ul> </li> <li>• Use thinking skills such as:               <ul style="list-style-type: none"> <li>* Classifying</li> <li>* Comparing</li> <li>* Sequencing</li> <li>* Generalising</li> <li>* Induction</li> <li>* Deduction</li> <li>* Analysing (from whole to parts)</li> <li>* Synthesizing (from parts to whole)</li> </ul> </li> <li>• Use problem-solving model such as Polya's model</li> <li>• Use heuristics such as:               <ul style="list-style-type: none"> <li>* Drawing a diagram</li> <li>* Tabulating</li> <li>* Guess and check</li> <li>* Working backwards</li> <li>* Simplifying a problem</li> <li>* Considering special cases</li> </ul> </li> </ul>
<p><b>MONEY</b></p>	
<p><b>FRACTIONS</b></p> <ol style="list-style-type: none"> <li>1. Equivalent Fractions</li> <li>2. Addition and Subtraction of Fraction</li> <li>3. Fraction of a whole</li> <li>4.</li> </ol>	
<p><b>MEASUREMENT AND GEOMETRY</b></p> <ol style="list-style-type: none"> <li>1. Length</li> <li>2. Mass</li> <li>3. Volume</li> </ol>	
<p><b>TIME</b></p>	
<p><b>GEOMETRY</b></p> <ol style="list-style-type: none"> <li>1. 2D and 3D Shapes</li> <li>2. Angles</li> <li>3. Perpendicular and parallel lines</li> </ol>	
<p><b>STATISTICS</b></p> <ol style="list-style-type: none"> <li>1. Data Representation and Interpretation               <ol style="list-style-type: none"> <li>a. Picture Graphs</li> <li>b. Picture Graphs with Scales</li> <li>c. Bar Graphs</li> </ol> </li> </ol>	
<p><b>AREA AND VOLUME</b></p> <ol style="list-style-type: none"> <li>1. Area</li> <li>2. Area and Perimeter</li> </ol>	