

<b>Level Two</b> <i>Students can:</i>	<b>Level Three</b> <i>Students can:</i>	<b>Level Four</b> <i>Students can:</i>	<b>Level Five</b> <i>Students can:</i>
<ol style="list-style-type: none"> <li>1. Identify, write, order and connect number words and numerals up to 4 digit numerals, count with understanding and know the numbers before and after them.</li> <li>2. Use appropriate skip counting techniques to count and compare sets.</li> <li>3. Identify, read and order simple unit fractions and be able to use them to find the fraction of a shape or set of objects.</li> </ol>	<ol style="list-style-type: none"> <li>1. Understand the place value structure of our number system and be able to represent and compare whole numbers, fractions, decimals and percentages.</li> <li>2. Round numbers sensibly.</li> </ol>	<ol style="list-style-type: none"> <li>1. Compare and order fractions, decimals and percents, and convert between them.</li> <li>2. Round numbers appropriately.</li> <li>3. Develop an understanding of integers.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use ratios and proportions to represent quantitative relationships.</li> <li>2. Use the properties of place value to express numbers appropriately.</li> </ol>
<ol style="list-style-type: none"> <li>4. Use advanced counting or early additive strategies to solve addition/subtraction, and multiplication/division problems.</li> <li>5. Understand the effects of multiplying and dividing whole numbers.</li> </ol>	<ol style="list-style-type: none"> <li>3. Use appropriate strategies to solve whole number problems.</li> <li>4. Use appropriate strategies to solve simple problems involving fractions, decimals and percentages in familiar situations.</li> <li>5. Understand the effect of operations on numbers.</li> </ol>	<ol style="list-style-type: none"> <li>4. Use integers, BEDMAS and the properties of indices to evaluate expressions.</li> <li>5. Find the fraction, decimal and percentage of a quantity.</li> </ol>	<ol style="list-style-type: none"> <li>3. Solve problems involving ratios and proportions.</li> <li>4. Increase or decrease a quantity by a percentage, decimal or fraction.</li> <li>5. Estimate the results of computations.</li> </ol>
<ol style="list-style-type: none"> <li>1. Use appropriate equipment and metric units to measure length, mass and volume.</li> </ol>	<ol style="list-style-type: none"> <li>1. Estimate and measure length, mass, volume and time.</li> <li>2. Perform simple conversions of units.</li> <li>3. Estimate and calculate the area and perimeter of simple shapes.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use standard and non-standard scales.</li> <li>2. Convert between units of measurement.</li> <li>3. Calculate the area, perimeter and volume of complex shapes.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use a suitable model to carry out a practical measuring task.</li> <li>2. Convert between units of area and volume.</li> <li>3. Develop an understanding of the limits of accuracy of an answer.</li> </ol>
<ol style="list-style-type: none"> <li>2. Use money in practical situations.</li> <li>3. Read and know the units of time.</li> </ol>	<ol style="list-style-type: none"> <li>4. Convert between analogue and digital time.</li> <li>5. Understand the relationship between time and simple rates.</li> </ol>	<ol style="list-style-type: none"> <li>4. Perform simple calculations involving time.</li> <li>5. Interpret and use a variety of tables.</li> <li>6. Understand and use graphs of qualitative data.</li> </ol>	<ol style="list-style-type: none"> <li>4. Solve problems using decimal time notation.</li> <li>5. Interpret and use rate information presented in different ways.</li> </ol>
<ol style="list-style-type: none"> <li>1. Use geometrical terms or properties to describe and classify shapes.</li> <li>2. Understand the 3 dimensional nature of objects.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use geometrical terms or properties to classify or evaluate 2 or 3 dimensional objects.</li> <li>2. Draw/make and interpret simple 3 dimensional objects.</li> </ol>	<ol style="list-style-type: none"> <li>1. Construct geometrical shapes using appropriate techniques.</li> <li>2. Draw/ make and interpret 3 dimensional objects.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use the angle and symmetry properties of parallel lines, circles and polygons to find unknown angles and provide their reasoning.</li> <li>2. Use trigonometry and/or Pythagoras' theorem to find unknown sides/angles in right angled triangles.</li> </ol>
<ol style="list-style-type: none"> <li>3. Use rotation, reflection or translation of shapes or designs to create patterns and be able to describe their symmetry(ies).</li> </ol>	<ol style="list-style-type: none"> <li>3. Use a combination of rotation, reflection, enlargement or translation of shapes or designs and be able to identify the resulting symmetry(ies).</li> </ol>	<ol style="list-style-type: none"> <li>3. Identify the invariant properties of transformations.</li> <li>4. Enlarge or reduce a shape or object.</li> </ol>	
<ol style="list-style-type: none"> <li>4. Use direction and distance to describe position.</li> </ol>	<ol style="list-style-type: none"> <li>4. Draw and interpret simple scale maps.</li> </ol>	<ol style="list-style-type: none"> <li>5. Use grid references or bearings to describe location.</li> </ol>	
<ol style="list-style-type: none"> <li>1. Continue a sequential pattern and use a rule to describe it.</li> <li>2. Use graphs to illustrate relationships.</li> <li>3. Understand graphs of familiar situations.</li> </ol>	<ol style="list-style-type: none"> <li>1. Find and use the rule to describe a numerical or practical pattern.</li> <li>2. Use a graph to represent a numerical or real world situation.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use a rule to generate a pattern or to make predictions.</li> <li>2. Graph linear relationships, and be able to interpret linear graphs.</li> </ol>	<ol style="list-style-type: none"> <li>1. Find the general term and rule for a pattern and plot and interpret graphs which represent everyday situations.</li> <li>2. Graph and interpret linear and quadratic functions.</li> </ol>
<ol style="list-style-type: none"> <li>4. Use the Mathematical symbols ( &gt;,&lt; and = ) in number sentences.</li> </ol>	<ol style="list-style-type: none"> <li>3. Solve simple linear equations.</li> </ol>	<ol style="list-style-type: none"> <li>3. Find and use equations to model practical equations.</li> <li>4. Rearrange, simplify, evaluate and solve linear equations.</li> </ol>	<ol style="list-style-type: none"> <li>3. Manipulate and solve linear and quadratic equations.</li> </ol>
<ol style="list-style-type: none"> <li>1. Collect and display discrete objects/ data in an appropriate graph.</li> </ol>	<ol style="list-style-type: none"> <li>1. Plan a statistical investigation, collect and display the data.</li> <li>2. Understand the relevance of samples and populations.</li> </ol>	<ol style="list-style-type: none"> <li>1. Collect and display time series data.</li> </ol>	<ol style="list-style-type: none"> <li>1. Pose a question for and plan a statistical investigation, collect and display the data.</li> <li>2. Collect and display time series data and make predictions.</li> </ol>
<ol style="list-style-type: none"> <li>2. Explain the features of an investigation.</li> </ol>	<ol style="list-style-type: none"> <li>3. Interpret their own statistical reports.</li> <li>4. Find measures of central tendency and range.</li> </ol>	<ol style="list-style-type: none"> <li>2. Interpret their own and others' statistical reports.</li> <li>3. Find and interpret measures of central tendency and range.</li> <li>4. Develop an understanding of normal distributions.</li> </ol>	<ol style="list-style-type: none"> <li>3. Interpret their own and others' statistical reports.</li> <li>4. Further develop the concept of normal distribution.</li> </ol>
<ol style="list-style-type: none"> <li>3. Rank and explain out-comes of simple experiments and be able to find by practical means all possible outcomes.</li> </ol>	<ol style="list-style-type: none"> <li>5. Find or evaluate probabilities.</li> </ol>	<ol style="list-style-type: none"> <li>5. Use tree diagrams to find all possible outcomes of an experiment.</li> <li>6. Calculate relative frequencies from tables or practical means.</li> <li>7. Devise and use simple simulation exercises.</li> </ol>	<ol style="list-style-type: none"> <li>5. Use tree diagrams or other means to find the probabilities of outcomes.</li> </ol>