



Kinsley Academy Mathematics Objectives - Year 1



		Number				Geometry & Measurement		
POS	Number and place value	Addition and subtraction	Multiplication and division	Fractions	Measurement	Properties of shapes	Position and direction	
LO	<ol style="list-style-type: none"> <li>count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.</li> <li>-count, read and write numbers to 100 in numerals, count in different multiples including ones, twos, fives and tens.</li> <li>-given a number, identify one more and one less.</li> <li>identify and represent numbers using concrete objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.</li> <li>-read and write numbers from 1 to 20 in digits and words.</li> </ol>	<ol style="list-style-type: none"> <li>-read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs.</li> <li>-represent and use number bonds and related subtraction facts within 20.</li> <li>-add and subtract one-digit and two-digit numbers to 20 (9 + 9, 18 - 9), including zero.</li> <li>-solve simple one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? - 9</li> </ol>	<ol style="list-style-type: none"> <li>-solve simple one-step problems involving multiplication and division, calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</li> </ol>	<ol style="list-style-type: none"> <li>-recognise, find and name a half as one of two equal parts of an object, shape or quantity.</li> <li>-recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.</li> </ol>	<ol style="list-style-type: none"> <li>-compare, describe and solve practical problems for:               <ul style="list-style-type: none"> <li>-A) lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half).</li> <li>-B) mass or weight (e.g. heavy/light, heavier than, lighter than).</li> <li>-C) capacity/volume (full/empty, more than, less than, quarter).</li> <li>-D) time (quicker, slower, earlier, later).</li> </ul> </li> <li>measure and begin to record the following:               <ul style="list-style-type: none"> <li>A) lengths and heights</li> <li>B) mass/weight</li> <li>C) capacity and volume</li> <li>D) time (hours, minutes, seconds).</li> </ul> </li> <li>-recognise and know the value of different denominations of coins and notes.</li> <li>-sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening.</li> <li>-recognise and use language relating to dates, including days of the week, weeks, months and years.</li> <li>-tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.</li> </ol>	<ol style="list-style-type: none"> <li>-recognise and name common 2-D and 3-D shapes, including:               <ul style="list-style-type: none"> <li>-A) 2-D shapes (e.g. rectangles (including squares), circles and triangles).</li> <li>- B) 3-D shapes (e.g. cuboids (including cubes), pyramids and spheres).</li> </ul> </li> </ol>	<ol style="list-style-type: none"> <li>-describe position, directions and movements, including half, quarter and three-quarter turns.</li> </ol>	

