



Curriculum Map - a subject overview for 3 years

(detailing the relevant curriculum elements covered)

<u>Mathematics</u> Number elements	Curriculum Map - a subject overview for 3 years (detailing the relevant curriculum elements covered)			
	Number & Place Value	Addition & Subtraction	Multiplication & Division	Fractions
Year R	Recognise some numerals of personal significance. Recognise numerals 1-5 & select numeral to represent 1-5 & then 1-10. Count objects by saying one number name for each item. Count objects up to 10 and begin to count beyond 10. Count an irregular arrangement up to 10 objects. Count reliably from 1 to 20. Place numbers in order.	Count out up to 6 objects from a larger group. Use the language of 'more' or 'fewer' to compare two sets of objects. Finds the total of objects in two groups by counting. Say the number that is 1 more than a given number. Finds one more or one less from a group of 10 objects. Begin to use the language involved in adding & subtracting. Using quantities can add or subtract two single digit numbers counting on or back to find the answer.	Solve problems including doubling, halving and sharing.	
Year 1	Count to and across 100, forwards and backwards from any given number. Count, read & write numbers to 100 in numerals. Identify 1 more or 1 less than a given number. Identify & represent numbers using objects or number lines. Read & write numbers 1 to 20 in both words and numerals.	Use the language of equal to, more than, less than, fewer, most & least. Read, write & interpret mathematical statements involving +, - & = signs. Represent & use number bonds and related subtraction facts within 20. Add & subtract one-digit & two-digit numbers to 20. Solve one step problems using concrete & pictorial representations. Solve missing number problems.	Count in 2's, 5's & 10's. Solve one-step problems by calculating the answer using concrete objects or arrays with teacher support.	Recognise, find & name a half as one of two equal parts of an object, shape or quantity. Recognise, find & name a quarter as one of four equal parts of an object, shape or quantity.
Year 2	Count in steps of 2, 3 & 5 from 0 and in 10 from any given number forward and backward. Recognise the place value of each digit in a two-digit number. Identify, represent & estimate numbers using different representations. Compare & order numbers from 0 to 100. Use <, >, = signs. Read & write all numbers to 100 in numerals and words. Use place value & number facts to solve problems.	Solve problems with addition & subtraction using concrete objects or pictorial representations. Solve problems linked to numbers, quantities & measures. Apply knowledge of mental and written methods. Recall & use addition and subtraction facts to 20 fluently. Derive & use related facts to 100. Add & subtract a two-digit number and ones. Add & subtract a two-digit number and tens. Add & subtract a two two-digit numbers. Add three one-digit numbers accurately. Show that addition can be done in any order, but subtraction cannot. Recognise & use the inverse relationship between addition & subtraction to check calculations and solve problems.	Recall & use multiplication & division facts for 2, 5 & 10 times tables. Recognise odd and even numbers. Calculate mathematical statements within the multiplication tables & write using x, ÷, = signs. Show that multiplication of two numbers can be done in any order, but division cannot. Solve problems involving multiplication & division using arrays, repeated addition, mental methods & known facts. Solve problems in a related context.	Recognise, find, name & write fractions of a length, shape, set of objects or quantity using a third, a quarter, two quarters & three quarters. Write simple fractions e.g. $\frac{1}{2}$ of 6 = 3. Recognise the equivalence of two quarters & one half.



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<u>Mathematics</u> Measurement & Geometry	College Park Infant School			
	Measurement	Properties of shapes	Position & Direction	Statistics
Year R	Able to order up to 3 items by length or height. Orders up to 3 items by weight or capacity. Uses everyday language linked to time. Order and sequence familiar events. Measure short periods of time in simple ways. Use everyday language to talk about length, height, weight, distance & time.	Begin to use vocabulary associated with solid and flat shapes. Use mathematical terms to describe shapes. Select a particular named shape. Explore characteristics of everyday objects & shapes.	Recognise, create & describe patterns. Can describe own relative position. Use everyday language to talk about position.	
Year 1	Compare and describe lengths & heights. Compare and describe mass or weight. Compare and describe capacity & volume. Compare and describe time. Solve practical problems linked to all above measurements. Measure & begin to record the above measurements. Recognise & know the value of coins and notes. Sequence events using appropriate language e.g. before, after, today, yesterday, tomorrow. Recognise & use language related to days of the week, weeks, months & years. Tell the time to the hour and half past. Draw the hands accurately on an analogue clock.	Recognise & name the following 2-D shapes: rectangles, circles, triangles & squares. Recognise & name the following 3-D shapes: cuboids, spheres, pyramids & cubes. Know that rectangles, triangles, cuboids & pyramids can be different shapes.	Use half, quarter & three-quarter turns in relation to position, direction and movements. Make turns in a clockwise direction.	
Year 2	Choose & use appropriate standard units to estimate & measure length, height, mass, temperature & capacity to nearest unit. Compare & order lengths, volume/capacity, mass and record results using <, >, = signs. Recognise & use pound and pence symbols. Combine coins to make a particular value. Find different combinations of coins that equal the same amount. Solve simple problems in a practical context involving money and giving change. Compare and sequence intervals of time. Tell the time to five minute intervals including quarter past/to. Draw the hands accurately on an analogue clock.	Identify & describe properties of 2-D shapes including number of sides and symmetry. Identify & describe properties of 3-D shapes including number of edges, faces and vertices. Identify 2-D shapes on 3-D shapes. Compare common 2-D & 3-D shapes and everyday objects.	Order & arrange combinations of objects in patterns. Use accurate vocabulary to describe position, direction & movement. Distinguish between rotations for quarter, half and three-quarter turns. Understand right angles involved in turns.	Interpret & construct simple pictograms, tally charts and block diagrams. Ask & answer simple questions by counting object in a category and sorting by quantity. Ask & answer questions about totalling and comparing data.