

Progression of skills in Maths

	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn 1	<ul style="list-style-type: none"> - To count objects - To order amounts (e.g. towers of cubes) 	<ul style="list-style-type: none"> - To use the part whole model - To use a number line to position numbers 	<ul style="list-style-type: none"> - Use the bar model for addition and subtraction 	<ul style="list-style-type: none"> - Column addition and subtraction 	<ul style="list-style-type: none"> Know negative numbers in context 	<ul style="list-style-type: none"> Use negative numbers in context and on a number line 	<ul style="list-style-type: none"> Use all four quadrants for coordinates Name parts of the circle
Autumn 2	<ul style="list-style-type: none"> - Can partition numbers and talk about how they have partitioned numbers 	<ul style="list-style-type: none"> - Demonstrate understanding of number through pictorial representation. 	<ul style="list-style-type: none"> - Use a tally 	<ul style="list-style-type: none"> - Solve missing number calculations 	<ul style="list-style-type: none"> - Know times tables up to 12 x 12 - Convert from hours to minutes; minutes to seconds; years to months; weeks to days 	<ul style="list-style-type: none"> - Draw line graphs - Read timetables 	<ul style="list-style-type: none"> Know equivalent fractions decimals and percentages

Spring 1	<ul style="list-style-type: none"> - To know what fewer and more means - To group objects - To know what unequal and equal mean 	<ul style="list-style-type: none"> - Understands and uses mathematical symbols for + - and = 	<ul style="list-style-type: none"> - To know 2,5 and 10 times tables and division facts - Create arrays - Solve multiplication using arrays 	<ul style="list-style-type: none"> - Give change in money 	<ul style="list-style-type: none"> - To multiply a 3 digit number by a 1 -digit number using the formal written method - Can find the area by counting squares Recognise hundredths 	<ul style="list-style-type: none"> - Use short division written method - Convert between mixed numbers and improper fractions 	<ul style="list-style-type: none"> - Calculate and interpret the mean as an average - Convert between miles and km - Calculate area of triangles and parallelograms
Spring 2	<ul style="list-style-type: none"> -To know what 10 is and how to make 10 	<ul style="list-style-type: none"> - To use a ruler 	<ul style="list-style-type: none"> - Name 2D and 3D shapes Know properties of shapes 	<ul style="list-style-type: none"> Read and interpret bar charts 	<ul style="list-style-type: none"> - know the value of decimals with up to 2 decimal places 	<ul style="list-style-type: none"> Understand percent 	<ul style="list-style-type: none"> - Can use a simple formulae
Summer 1	<ul style="list-style-type: none"> - To look at shapes and talk about them -To make repeating patterns 	<ul style="list-style-type: none"> - Know left and right 	<ul style="list-style-type: none"> - Know the number of minutes in an hour Know the number of hours in a day Tell the time to 5 minutes 	<ul style="list-style-type: none"> Know the number of seconds in a minute and the number of days in each month, year and leap year 	<ul style="list-style-type: none"> Divide by 10 and 100 identifying the value of tenths, hundredths 	<ul style="list-style-type: none"> Use a protractor 	<ul style="list-style-type: none"> Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles
Summer 2	<ul style="list-style-type: none"> -To use length (e.g. lengths of strings or pencils) -To know what coins and notes are - Start to tell time with o'clock 	<ul style="list-style-type: none"> Know the days of the week Use language associated with dates - weeks, months and years Tell the time to the hour and half past 	<ul style="list-style-type: none"> Know that multiplication is communicative and that division is not Use the inverse between addition and subtraction 	<ul style="list-style-type: none"> Identify horizontal and vertical lines and pairs of perpendicular and parallel lines 	<ul style="list-style-type: none"> Give positions on a grid in the first quadrant Identify acute and obtuse angles 	<ul style="list-style-type: none"> Convert between different units of measure (kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) 	<ul style="list-style-type: none"> Solve multi-step problems involving all four operations