Year 1- Mathematics						
Autumn	**Number** Place Value (Numbers to 10)	**Number** Adding and Subtracting Numbers within 10	**Geometry** 2D and 3D shape	**Number** Fractions	**Number** Place Value (Numbers to 20)	
Spring	**Number** Addition and Subtraction Numbers to 20	**Geometry** Position and Direction	**Number** Place Value (Numbers to 50)	**Measure** Length and Height	**Measure** Mass and Capacity	
Summer	**Number** Multiplication and Division	**Number** Fractions	**Number** Place Value (Numbers to 100)	**Measure** Money	**Measure** Time	
Number and Place Value	Count to and across 100, forwards and backwards from any number. Read and write numbers from 1 to 20 in numerals and words Read and write numbers to 100 in numerals Count in multiples of twos, fives and tens. Say one more and one less to 100					
Addition and Subtraction	Understand and use number sentences involving addition (+), subtraction (–) and equals (=) signs. Represent and use number bonds and related subtraction facts within 20. Add and subtract one-digit and two-digit numbers to 20, including zero.					
Multiplication and Division	Solve one-step problems involving multiplication and division					
Fractions	recognise, find and name a half as one of two equal parts of an object, shape or quantity					
Measure	Measure and begin to record capacity and volume. Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.					
Shape	Recognise and name common 2-D shapes, rectangles (including squares), circles and triangles]. Recognise and name common 3-D shapes, including: cuboids (including cubes), pyramids and spheres].					

Year 2- Mathematics						
Autumn	**Number** Place Value	**Number** Counting and Comparing	**Geometry** 2D and 3D Shape	**Number** Addition and Subtraction	**Measure** Length and Height	**Measure** Position and Direction
Spring	**Number** Multiplication and Division	**Measure** Mass, Capacity and Temperature	**Number** Addition and Subtraction	**Measure** Money	**Number** Exploring Fractions	
Summer	**Number** Multiplication and Division		**Number** Exploring Fractions	**Statistics** Data Handling	**Measure** Time	

Number and Place Value	Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward. Recognise the place value of each digit in a two-digit number (tens, ones) and partition in different ways Compare and order numbers from 0 up to 100. Recall all number bonds to and within 10 and use these to reason with and calculate bonds to and within 20
Addition and Subtraction	Add and subtract any 2 two digit numbers using an efficient strategy Mentally add or subtract 2 two-digit numbers when there is no regrouping required (e.g. 74 – 33). Use estimation to check that their answers to a calculation are reasonable (E.g. knowing that 48 + 35 is less than 100) Use the inverse relationship between addition and subtraction to check calculations and solve missing number problems.
Multiplication and Division	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables Solve problems involving multiplication and division, using materials, arrays, repeated addition and mental methods,
Fractions	Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity.
Measure	Read scales in divisions of ones, twos, fives and tens in a practical situation Find different combinations of coins that equal the same amounts of money. Tell and write the time to fifteen minutes, including quarter past/to the hour and draw the hands on a clock face
Shape	Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.
Position and Direction	Use mathematical vocabulary to describe position, direction and movement Identify turns including a quarter, half and three-quarter turns (clockwise and anti-clockwise).
Statistics	Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.

Year 3- Mathematics						
Autumn	**Number** Place Value	**Number** Counting and Comparing	**Number** Addition and Subtraction	**Number** Multiplication and Division		
Spring	**Measure** Length and Perimeter	**Number** Exploring Fractions	**Measure** Mass and Capacity	**Number** Addition and Subtraction	**Geometry** Angles	**Geometry** 2D and 3D Shape
Summer	**Number** Multiplication and Division	**Number** Exploring Fractions	**Number** Calculating with Fractions	**Measure** Money	**Data** Statistics	**Measure** Time

Number and Place Value	Count from 0 in multiples of 4, 8, 50 and 100. Find 10 or 100 more or less than a given number. Recognise the place value of each digit in a three-digit number (hundreds, tens, ones). Solve number problems and practical problems involving working with and estimating numbers up to 1000 in a variety of units.
Addition and Subtraction	Add and subtract numbers mentally, including: -a three-digit number and ones, tens and hundreds. Add and subtract numbers with up to three digits, using formal written methods of column addition and subtraction.
Multiplication and Division	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables. Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.
Fractions	Count up and down in tenths and recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.
Measure	Measure, compare, add and subtract: lengths, mass, volume, capacity Add and subtract amounts of money to give change, using both £ and p in practical contexts. Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks.
Shape	Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn and identify whether angles are greater or less than a right angle
Statistics	Interpret and present data using bar charts, pictograms and tables.

Year 4- Mathematics					
Autumn	**Number** Place Value	**Number** Counting and Comparing	**Number** Addition and Subtraction	**Number** Multiplication and Division	**Geometry** 2D and 3D Shape
Spring	**Number** Fractions	**Number** Decimals	**Geometry** Angles	**Measure** Measure and Conversions	**Measure** Perimeter and Area	**Data** Statistics
Summer	**Number** Multiplication and Division	**Number** Calculating with Fractions	**Number** Decimals	**Measure** Time and Money	**Geometry** Position and Direction	Assess and Consolidate

Number and Place Value	Count in multiples of 6, 7, 9, 25 and 1000. Count backwards through zero to include negative numbers. Order and compare numbers beyond 1000. Round any number to the nearest 10, 100 or 1000.
Addition and Subtraction	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
Multiplication and Division	Recall multiplication and division facts for multiplication tables up to 12 × 12.
Fractions and Decimals	Recognise and show, using diagrams, families of common equivalent fractions. Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and tenths by ten. Round decimals with one decimal place to the nearest whole number. Solve simple measure and money problems involving fractions and decimals to two decimal places.
Measure	Convert between different units of measure [for example, kilometre to metre; hour to minute].
Shape	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. Identify lines of symmetry in 2-D shapes presented in different orientations.
Position and Direction	Plot specified points and draw sides to complete a given polygon.
Statistics	Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

Year 5- Mathematics					
Autumn	**Number** Place Value	**Number** Addition and Subtraction	**Number** Multiplication and Division	**Number** Fractions, Decimals and Percentages	**Measure** Measure and Conversions
Spring	**Number** Rounding and Estimating	**Number** Factors, multiples, and primes	**Number** Multiplication and Division	**Geometry** Angles 2D and 3D shape	**Number** Fractions and Calculating with Fractions Decimals and Percentages	**Measure** Perimeter, Area and Volume
Summer	**Number** Decimals and percentages		**Geometry** Angles 2D and 3D shape	**Data** Statistics	**Geometry** Position and Direction	**Measure** Time

Number and Place Value	Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.
Addition and Subtraction	Add and subtract whole numbers with more than 4 digits, including using formal written methods (columns)
Multiplication and Division	Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately Solve problems involving addition, subtraction, multiplication and division (including multi step problems).
Fractions	Compare and order fractions whose denominators are all multiples of the same number. Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. Read and write decimal numbers as fractions [for example, 0.71 = 71/100]. Read, write, order and compare numbers with up to three decimal places. Solve problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and fractions with a denominator of a multiple of 10 or 25.
Measure	Convert between different units of metric measure (Kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre). Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres. Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes.
Shape	Draw given angles and measure them in degrees (°). Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.

Year 6- Mathematics						
Autumn	**Number** Place Value Checking, approximating and Estimating	**Number** Addition and Subtraction, Multiplication and Division	**Number** Fractions Calculating with fractions	**Measure** Angles	**Geometry** Properties of shape	**Number** Ratio
Spring	**Number** Calculating with fractions	**Measure** Measure and Conversion	**Number** Fractions, decimals and percentages		**Data** Statistics	**Measure** Area, Perimeter and Volume
Summer	**Number** Algebra	**Geometry** Position and Direction	**Geometry** 2D and 3D shape	**SATS**	Consolidation, Going Deeper, and Numeracy Investigations.	

Number and Place Value	Demonstrate an understanding of place value, including large numbers and decimals. Round any whole number to a required degree of accuracy. Use negative numbers in context and calculate intervals across zero.
Addition and Subtraction	Solve multi step problems involving addition, subtraction, multiplication and division deciding which operations and methods to use and why.
Multiplication and Division	Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication. Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context. Perform mental calculations using efficient strategies, including with mixed operations and large numbers.
Fractions	Can calculate using fractions, decimals and percentages (e.g. knowing that 7 divided by 21 is the same as 7/21 and that this is equal to 1/3; 15% of 60; 11/2 +3/4; 0.8 x 70, 1/3 ÷ 2) Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360]
Measure	Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.
Shape	Compare and classify geometric shapes based on their properties and sizes Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.
Algebra	Use simple formulae.
Statistics	Interpret and construct pie charts and line graphs and use these to solve problems