	Autumn	Spring	Summer
Year 1	Sort, count and represent objects. Group objects. Counting in 2s, 5s and 10s. Reading and writing numbers to 20. Ordering and comparing numbers. Introducing the < = > symbols. Order numbers/Ordinal numbers. Finding 1 more and 1 less. Simple problem solving bonds to 20. Introducing the + and – symbols. Using a Part-whole model. Fact families, subtraction – counting back. Recognise and name 2D Shapes Sort 2D shapes. Recognise and sort 3D shapes.	Adding by counting on. Finding and making number bonds. Add by making 10. Subtraction – crossing 10. Related number facts. Comparing number sentences. Numbers to 50 – counting, representing and comparing. Comparing objects within 50. Comparing lengths and heights. Measuring lengths. Introducing weight and mass by measuring and comparing. Introduce capacity and volume by measuring and comparing.	Making equal groups. Adding equal groups. Making arrays. Making doubles. Make equal groups by grouping and sharing. Finding a half and a quarter. Describe turns and positions. Counting to 100. Partitioning numbers. Comparing and ordering numbers. Finding one more and less using large numbers. Recognise and count coins. Investigate time to the hour and half hour. Compare time by looking at dates and before and after.

Year 2	Count objects to 100 and read and write numbers in numerals and words. Represent numbers to 100. Tens and ones with a part-while model. Tens and ones using addition. Using a place value chart. Comparing/ordering objects and numbers. Counting in 2, 3, 5 and 10. Fact families, addition and subtraction bonds to 20 and 100. Investigate related facts. Add and subtract 1's. 10 more and 10 less. Add a 2 digit number to a 1 digit number crossing ten. Subtract a 1 digit number from a 2 digit number crossing ten. Add two 2 digit numbers not and crossing ten. Subtract a 2 digit number from a 2 digit number not and crossing ten. Add three 1 digit numbers. Count money.	Making equal groups by sharing and grouping. Divide by 2, 5 and 10. Odd and even numbers. Make tally charts and draw and interpret pictograms. Recognise/sort/draw 2D and 3D shape properties. Lines of symmetry. Make equal parts. Recognise/find up to 3 quarters, a half and a third. Count in fractions. Investigate unit and non-unit fractions. Measure in cm and m. Compare/order and use the four operations with length.	Describe movement, turns and make patterns with shapes. Time to 5 minutes. Hours and days. Measure, compare volume, mass in g and kg and temperature. Problem solving using the four operations. Investigations.

	Make the same amount of money Compare money. Find the total, difference and change. Solving problems involving money. Recognise, make and add equal groups. Multiplication sentences using the x symbol. 2, 5 and 10 times table.		

Year 3	Counting, comparing and representing numbers to 1000. Find 1, 10 and 100 more or less than a given number. Order numbers and count in 50's. Add and subtract multiples of 100. Add and subtract 3digit and 1 and 2 digit numbers not and crossing 10 and 100. Spotting patterns within numbers. Add and subtract two 3 digit numbers crossing 10 and 100 and with exchange. Estimating answers to calculations. Multiplication – equal groups. Multiply and divide by 3, 4 and 8. 3, 4 and 8 times table.	Comparing statements. Related calculations. Multiply and divide 2 digit by 1. digit numbers. Scaling. Add and subtract money – give change. Pound and pence – converting. Pictograms, bar charts and tables. Measure, compare, add and subtract lengths. Measure and calculate perimeter. Unit and non-unit fractions. Making a whole. Counting in tenths and tenths as decimals. Ordering fractions. Fractions of a set of objects.	Equivalent fractions. Compare, order, add and subtract fractions. Months and years and hours in a day. Telling the time to the nearest minutes and looking at a 24hr clock. Comparing the duration of times and solving problems involving time. Measuring time in seconds. Turns and angles. Right angles in shapes. Comparing and drawing angles. Horizontal, vertical, parallel and perpendicular lines. Recognise, describe and make 2D and 3D shapes. Measure, compare, add and subtract mass and capacity.

Year 4	Roman Numerals to 100. 1's, 10's, 100's, 1000's. Count in 25's and 1000's. Round, order and compare numbers to 1000. Negative numbers. Partitions numbers. Add and subtract 1, 10, 100 and 1000. Add two 4 digit numbers with no, one and more than one exchange. Subtract two 4 digit numbers with no, one and more than one exchange. Subtract efficiently, estimate and check answers. Investigate kilometres. Perimeter on a grid, rectangles and rectilinear shapes. Multiply and divide by 10 and 100. Multiply by 1 and 0. Divide by 1. Multiply and divide by 6, 7 and 9 and learn the 6, 7, and 9 times table facts.	11 and 12 times tables. Multiply 3 numbers. Factor pairs. Efficient multiplication. Written methods. Multiply and divide 2 digits by 1 digits. Multiply 3 digits by a 1 digit. Correspondence problems. Area - Counting squares. Making shapes. Comparing area. Equivalent Fractions. Fractions greater than 1. Count in fractions. Add 2 or more fractions. Subtract 2 fraction and from whole amounts. Calculate fractions of a quantity. Problem solving - calculating quantities. Recognising tenths and hundredths. Tenths as decimals. Tenths on a PV grid and number line.	Making a whole. Writing, comparing, ordering and rounding decimals. Halves and quarters. Pounds and pence. Order money. Round to estimate money. Four operations with money. Hours, minutes and seconds. Years, months, weeks and days. Analogue to digital 12 and 24 hour. Interpret charts (discrete). Comparison, sum and difference. Introduce line graphs. Identify, compare and order angles. Triangles. Quadrilaterals. Lines of symmetry. Compare a symmetric figure. Describe position. Draw and move on a grid. Describe a movement on a grid.

		Divide 1 and 2 digit numbers by 10 and 100. Hundredths. Hundredths as decimals and on a PV grid.	

Year 5	Numbers to 10,000. Roman numerals to 1,000. Round to the nearest 10, 100 and 1000 and within 100,000. Numbers to 100,000. Compare and order numbers to 100,000. Numbers to a million. Counting in 10s, 100s, 1000s, 10,000s and 100,000s. Compare, round and order numbers to a million. Negative numbers. Add and subtract whole numbers with more than 4 digits (column method). Round to estimate and approximate Inverse operations + -. Multi step addition and subtraction problems. Draw, read and interpret line graphs. Use line graphs to solve problems. Read and interpret tables. Two way tables. Timetables. Multiples, factors, common factors.	Multiply 4 digits by 1 digit, 2 digits by 2 digits, 3 digits by 2 digits and 4 digits by 2 digits. Multiply 2 digits (area model). Divide 4 digits by 1 digit. Divide with remainders. Equivalent fractions. Improper to mixed numbers and vice versa. Number sequences. Compare and order fractions less and greater than 1. Add and subtract fractions. Add fraction within 1. Add 3 or more fractions. Add mixed number fractions. Subtract fractions/mixed number/breaking the whole. Subtract 2 mixed numbers. Multiply unit fractions/non-unit by an integer. Multiply mixed number by integers. Fractions of an amount. Using fractions as operators. Decimals up to 2 d.p.	Add and subtract decimals within 1. Complements to 100. Add decimals across the whole. Add/subtract numbers with same number of decimals places. Add and subtract number with different number of decimal places. Add and subtract wholes and decimals. Decimal sequences Multiply and divide decimals by 10, 100 and 1000. Measure angles in degrees. Measure with a protractor. Draw lines and angles accurately. Calculate angles on a straight line. Calculate angles around a point. Calculate lengths of angles in shapes. Regular and irregular polygons. Reasoning about 3D shapes. Position in the first quadrant Reflection/with coordinates.

	Prime, square and cube numbers Inverse operations multiplication and division Multiply and divide by 10, 100 and 1000 Multiply and divide by multiples of 10, 100 and 1000 Measure and calculate perimeter Find unknown lengths Areas of rectangles and compound shapes Estimate and approximate area	Decimals as fractions Understand thousandths/as decimals. Rounding decimals. Order and compare decimals. Percentages as fractions and decimals. Equivalent F.D.P	Translation/with coordinates. Metric units Imperial units Convert units of time/timetables. Compare and estimate volume and capacity.

Year 6	Numbers to ten million Compare, order and round any number. Negative numbers. Add and subtract whole numbers. Multiply up to a 4 digit and 1 digit number. Short division. Dividing using factors. Long division. Common factors and multiples. Prime, square and cube numbers. Order of operations. Mental calculations and estimation. Reasoning and known facts. Simplify fractions and order on number line. Compare and order fractions by the denominator and numerator. Add and subtract fractions. Mixed addition and subtraction problems. Multiply fractions by a while numbers and fraction. Divide a fraction by a whole number. Four rules with fractions.	Three decimal places. Multiply and divide by 10, 100, 1000. Multiply/divide by integers. Division to solve problems. Decimals and fractions. Fractions to decimals. Fractions to percentages. Equivalent FDP. Percentage of amount. Percentages - missing values. Percentage increase and decrease. Order FDP. Find and rule 1 and 2 step. Use an algebraic rule. Substitution. Formulae. Word problems. Solve simple one step equations. Solve two step equations. Find pairs of values. Enumerate possibilities. Convert and calculate metric measures. Miles and kilometres.	Measures with a protractor. Introduce angles and calculate them - vertically opposite, triangles, triangles - special cases, finding the missing, quadrilaterals and regular polygons. Draw shapes and nets. Draw, read and interpret lines graphs and use them to solve problems. Circles. Draw, read and interpret pie charts including those with percentages. The mean.

	Fractions of an amount - finding whole. Coordinates in the first quadrant. Plotting coordinates. Translations and reflections. Reasoning about shapes with coordinates.	Imperial measures. Shapes same area. Area and perimeter. Area of a triangle. Area of a parallelogram. Volume counting cubes. Volume or a cuboid. Using ratio. Ratio and fractions. Introducing the ratio symbol. Calculating ratio. Using scale factors and calculating scale factors. Ratio and proportion problems.	