Maths	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year R	**Cardinality** Counting: saying number words in sequence Counting: tagging each object with one number word Counting: knowing the last number counted gives the total so far **Measures** Recognising attributes Comparing amounts of continuous quantities Showing awareness of comparison in estimating and predicting Comparing indirectly	**Cardinality** Subitising: recognising small quantities without needing to count them all Numeral meanings Conservation: knowing that the number does not change if things are rearranged (as long as none have been added or taken away) **Shape and Space** Developing spatial awareness: experiencing different viewpoints Developing spatial vocabulary Shape awareness: developing shape awareness through construction Representing spatial relationships	**Comparison** More than / less than Identifying groups with the same number of things Comparing numbers and reasoning **Pattern** Continuing an AB pattern Copying an AB pattern Make their own AB pattern Spotting an error in an AB pattern	**Comparison** Knowing the 'one more than/one less than' relationship between counting numbers **Composition** Part–whole: identifying smaller numbers within a number (conceptual subitising – seeing groups and combining to a total) **Shape and Space** Identifying similarities between shapes Showing awareness of properties of shape	**Measures** Recognising the relationship between the size and number of units Beginning to use units to compare things **Composition** Inverse operations **Pattern** Identifying the unit of repeat Continuing an ABC pattern Continuing a pattern which ends mid-unit Make their own ABB, ABBC patterns	**Measures** Beginning to use time to sequence events Beginning to experience specific time durations **Shape and Space** Describing properties of shape Developing an awareness of relationships between shapes
	Continuous assessment referring to ELG					
Revisit Pre Teach	**Counting**	**Subitising**	**More /less comparison**	**One more/less**	**Part whole**	**Inverse operations**

Maths	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	**Number , Addition & Subtraction** **1.1** Comparison of quantities and measures. **1.2** Introduce 'wholes' and 'parts' part- part-whole **1.3** Composition of numbers 0-5 **1.4** Composition of numbers 6-10	**Number , Addition & Subtraction** **1.5** Additive Structures aggregation and partitioning **1.6** Additive Structures augmentation and reduction **1.7** Addition and subtraction strategies within ten. **Geometry** recognise and name common 2-D and 3-D shapes, including: 2-D shapes [for example, rectangles (including squares), circles and triangles]	**Number , Addition & Subtraction** **1.8** Composition of numbers multiples of 10 to 100. **1.9** Composition of numbers 20-100 **1.10** Composition of numbers 11-19	**Multiplication and Division** **2.1** Counting, unitising and coins **Measures** recognise and know the value of different denominations of coins and notes	**Fractions** Name the fractions 'one-half', and 'one-quarter' in relation to a fraction of a length, shape or set of objects. Find half of numbers. **Geometry** Describe position, direction and movement, including whole, half, quarter and three-quarter turns.	**Measures** Compare, describe and solve practical problems for: lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] -mass/weight [for example, heavy/light, heavier than, lighter than] capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] time [for example, quicker, slower, earlier, later] Measure and begin to record the following: lengths and heights mass/weight capacity and volume time (hours, minutes, seconds) Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]. Recognise and use language relating to dates, including days of the week, weeks, months and years. Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.
	End of block assessments					
Revisit Pre Teach	**Geometry**	**Multiplication and Division**	**Measures** - money	***Fractions***	***Measures- Time, length, mass, capacity***	**Number , Addition & Subtraction**

Maths	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 2	**Number , Addition & Subtraction** **1.9** Composition of numbers 20-100 **(Revisit)** **1.11** Addition and subtraction: Bridging ten (possibly move to Yr 1 in future) **1.12** Subtraction as difference (possibly move to Yr 1 in future) **1.13** Addition and subtraction: two-digit and single-digit numbers	**Number , Addition & Subtraction** **1.14** Addition and subtraction: two-digit and multiples of ten **Multiplication and Division** **2.2** Structures: multiplication representing equal groups **2.3** Times tables:groups of 2 and commutativity (part 1) **2.4** Times tables:groups of 10 and of 5, and factors of 0 or 1	**Multiplication and Division** **2.5** Commutativity (part 2), doubling and halving **2.6** Structures: quotitive and partitive division **Number , Addition & Subtraction** **1.15** Addition: two-digit and two-digit numbers **1.16** Subtraction: two-digit and two-digit numbers **Measures** Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value. Find different combinations of coins that equal the same amounts of money. Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.	**Geometry** 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. Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]. Compare and sort common 2-D and 3-D shapes and everyday objects. Identify and describe the properties of 2-D shapes, including the line symmetry in a vertical line. ***Fractions*** Name the fractions 'one-half', 'one-quarter' and 'one-third' in relation to a fraction of a length, shape or set of objects. Read and write the fraction notation $\frac{1}{2}$, $\frac{1}{3}$ and $\frac{1}{4}$, and relate this to a fraction of a length, shape or set of objects. Find $\frac{1}{3}$ or $\frac{1}{4}$ of a number. Find $\frac{2}{4}$ and $\frac{3}{4}$ of an object, shape, set of objects, length or quantity; recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$	**Measures** Compare and sequence intervals of time. Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times. Know the number of minutes in an hour and the number of hours in a day. Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales and measuring vessels compare and order lengths, mass, volume/capacity and record the results using >, < and =	**Measures** Choose and use appropriate standard units to estimate and measure temperature (°C); to the nearest appropriate unit, using thermometers. Order and arrange combinations of mathematical objects in patterns and sequences. **Geometry** Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise). **Statistics** Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Ask and answer questions about totalling and comparing categorical data.
	End of block assessments BASED ON TAF					

Revisit Pre Teach	**Multiplication**	**Measures- Money**	**Geometry - Shape Fractions**	**Measures- Time, length, capacity, mass**	**Number, Addition & Subtraction**	**Multiplication/Fractions**
Maths	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Year 3	**Number , Addition & Subtraction** **1.17** Composition and calculation : 100 and bridging 100 **1.18** Composition and calculation: three-digit numbers **1.19** Securing mental strategies: calculation up to 999	**Multiplication and Division** **2.7** Times tables:2,4 and 8 and the relationships between them **Number , Addition & Subtraction** **1.20** Algorithms: column addition	**Multiplication and Division** **2.8** Times tables:3,6 and 9 and the relationships between them **Number , Addition & Subtraction** **1.21** Algorithms: column subtraction **Geometry** Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them.	**Fractions** 3.1 Prepare for fractions:the part-whole relationship 3.2 Unit fractions: identifying representing and comparing 3.3 Non-unit fractions: identifying, representing and comparing 3.4 Adding and subtracting within one whole **Measures** Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	**Multiplication and Division** **2.9** Times tables:7 and patterns within/across times tables **Measures** Add and subtract amounts of money to give change, using both £ and p in practical contexts. **Measures** Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight. Know the number of seconds in a minute and the number of days in each month, year and leap year. Compare durations of events [for example to calculate the time taken by particular events or tasks].	**Geometry** Recognise angles as a property of shape or a description of a turn. Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle. Identify horizontal and vertical lines and pairs of perpendicular and parallel lines. **Statistics** Interpret and present data using bar charts, pictograms and tables. Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.
	End of block assessments					

Revisit Pre Teach	**Multiplication and Division**	**Geometry-shape & symmetry**	**Fractions** **Measures- length, capacity, mass, temperature**	**Measures- time, money**	**Geometry** **Statistics**	**Number , Addition & Subtraction**
Maths	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Year 4	**Number , Addition & Subtraction** **1.22** Composition and calculation: 1,000 and four-digit numbers **Multiplication and Division** **2.10** Connecting multiplication and division, and the distributive law **2.11** Times tables:11 and 12	**Multiplication and Division** **2.12** Division with remainders **2.13** Calculation: multiplying and dividing by 10 or 100 **Number , Addition & Subtraction** **1.23** Composition and calculation: tenths **1.24** Composition and calculation: hundredths and thousandths	**Number , Addition & Subtraction** **1.25** Addition and subtraction: money **Multiplication and Division** **2.14** Multiplication: partitioning leading to short multiplication **2.15** Division: partitioning leading to short division **Geometry** 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 complete a simple symmetric figure with respect to a specific line of symmetry.	**Multiplication and Division** **2.16** Multiplicative contexts: area and perimeter 1 **Fractions** 3.5 working across one whole: improper fractions and mixed numbers 3.6 Multiplying whole numbers and fractions	**Multiplication and Division** **2.17** Structures: using measures and comparison to understand scaling **Measures** Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres find the area of rectilinear shapes by counting squares (covered in 2.16 so revise). Convert between different units of measure [for example, kilometre to metre; hour to minute] Estimate, compare and calculate different measures, including money in pounds and pence. **Statistics** Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.	**Measures** Read, write and convert time between analogue and digital 12- and 24-hour clocks. Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days. **Geometry** Identify acute and obtuse angles and compare and order angles up to two right angles by size. Describe positions on a 2-D grid as coordinates in the first quadrant. Describe movements between positions as translations of a given unit to the left/right and up/down plot specified points and draw sides to complete a given polygon.
	End of block assessments					

Revisit Pre Teach	**Multiplication and Division**	**Multiplication and Division Geometry-shape, symmetry**	**Fractions**	**Measures- length, capacity, mass, temperature, money Statistics**	**Measures- Time Geometry- Angles**	**Number , Addition & Subtraction**
Maths	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Year 5	**Number , Addition & Subtraction** **1.26** Composition and calculation: multiples of 1,000 up to 1,000,0000 **1.27** Negative numbers: counting, comparing and calculating **1.28** Common structures and the part-part-whole relationship	**Number , Addition & Subtraction** **1.29** Using equivalence and the compensation strategy to calculate **Multiplication and Division** **2.18** Using equivalence to calculate **2.19** Calculation: x/÷ decimal fractions by whole numbers	**Multiplication and Division** **2.20** Multiplication with three factors and volume **2.21** Factors, multiples, prime numbers and composite numbers **2.22** Combining multiplication with addition and subtraction	**Fractions** 3.7 Finding equivalent fractions and simplifying fractions 3.8 Common denomination: more adding and subtracting	**Measures** Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre). Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints/ 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/ Estimate volume [for example, using 1 cm3 blocks to build cuboids (including cubes)] and capacity [for example, using water]. Solve problems involving converting between units of time. Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.	**Geometry** Identify 3-D shapes, including cubes and other cuboids, from 2-D representations. Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles draw given angles, and measure them in degrees (o). Identify: -angles at a point and one whole turn (total 360o) -angles at a point on a straight line and 2 1 a turn (total 180o) -other multiples of 90o Use the properties of rectangles to deduce related facts and find missing lengths and angles distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed. **Statistics** Solve comparison, sum and difference problems using information presented in a line graph. Complete, read and interpret information in tables, including timetables.

	End of block assessments			**SATS preparation and practice**		
Revisit Pre Teach	**Multiplication and Division**	**Multiplication and Division**	**Fractions**	**Measures- Time, length, volume , mass, temperature**	**Geometry- shape, angles Statistics**	**Number , Addition & Subtraction**
Maths	**Autumn 1**	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Year 6	**Number , Addition & Subtraction** **1.30** Composition and calculation: numbers up to 10,000,000 **Multiplication and Division** **2.23** Multiplication strategies for larger numbers and long multiplication **2.24** Division: dividing by two-digit divisors	**Multiplication and Division** **2.25** Using compensation to calculate **Fractions** 3.9 Multiplying fractions and dividing fractions by a whole number. 3.10 Linking fractions, decimals and percentages **Multiplication and Division** **2.26** Mean average and equal shares	**Multiplication and Division** **2.27** Scale factors, ratio and proportional reasoning **2.28** Combining division with addition and subtraction **2.29** Decimal place-value knowledge, multiplication and division **2.30** Multiplicative contexts: area and perimeter 2	**Number , Addition & Subtraction** **1.31** Problems with two unknowns **Measures** Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places. Convert between miles and kilometres. Recognise that shapes with the same areas can have different perimeters and vice versa. Recognise when it is possible to use formulae for area and volume of shapes. Calculate the area of parallelograms and triangles. Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm3) and cubic metres (m3), and extending to other units [for example, mm3 and km3].	**Geometry** Draw 2-D shapes using given dimensions and angles. Recognise, describe and build simple 3-D shapes, including making nets. Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons. Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius. Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.	**Statistics** Interpret and construct pie charts and line graphs and use these to solve problems **Investigations**
	End of block assessments			**SATS preparation and practice**		

Revisit Pre Teach	**Multiplication and Division Fractions**	**Multiplication and Division**	**Measures**	**Geometry**	**Statistics**	