Learning Support Maths

	Year 7	Year 8	Year 9
Autumn 1	**Number: place value** Identify and represent numbers using objects & pictorial representations including the number line Use language of: equal to, more than, less than (fewer), most, least **Number; addition and subtraction** Read, write & interpret mathematical statements involving addition (+) subtraction (-) & equals (=) **Money** in practical context Recognise coins and notes up to £20 Exchange a coin for an item of equivalent value	**Number : place value** Partition a two-digit number, using base 10 apparatus Compare and order numbers from 0 up to 100; use <, > and = signs. Read and write numbers up to 100 in numerals and in words. **Number; addition and subtraction** Solve one-step problems that involve addition and subtraction, using concrete objects & pictures, and missing number problems **Money** in practical context Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value	**Number : place value** Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward. **Number; addition and subtraction** Solve problems with addition & subtraction, using concrete objects and pictorial representations; including those involving numbers, quantities and measures **Money** Solve problems involving addition and subtraction, including giving change Use decimal notation for money
Autumn 2	**Number multiplication and division** Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher **Measurement** Recognise and use language relating to - lengths and heights, mass or capacity/volume **Statistics** Interpret and construct simple pictograms, tally charts, block diagrams, tables.	**Number; multiplication and division** Recall & use multiplication & division facts for 2, 5 & 10 tables, using them to solve problems **Measurement** Identify, represent and estimate numbers using different representations, including the number line (measurements). **Statistics** Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.	**Number; multiplication and division** Use mental methods, and recall to solve problems in contexts. **Measurement** Choose and use appropriate standard units to estimate and measure: - mass (kg/g) using scales - temperature (°C); using thermometers - capacity (litres/ml) to the nearest unit… using measuring vessels **Statistics** Construct and interpret bar charts with the vertical axis scaled in ones or twos and pictograms where one picture represents more than one item.
Spring 3	**Time** Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening. **Number; place value** Read and write numbers from zero to 20 in numerals and words **Measurement** Measure and begin to record the following: lengths and heights, mass/weight, capacity & volume	**Time** Recognise and use language relating to dates, including days of the week, weeks, months and years **Number; place value** Read scales in divisions of ones, twos, fives and tens **Measurement** Choose and use appropriate standard units to estimate and measure: - length/height in any direction (m/cm) using rulers a tape measures	**Time** Compare, and sequence intervals of time. Know the number of minutes in an hour and the number of hours in a day. **Number; place value** Recognise odd and even numbers up to 100 Recognise the place value of each digit in a two-digit number **Measurement** Add lengths, capacities and weights and compare the totals Read and compare temperature, including those with negative values
Spring 4	**Number; addition and subtraction** Represent and use number bonds within 20 Add and subtract one-digit & two-digit numbers to 20 **Geometry** Recognise and name common 2-D shapes, including: rectangles, squares, circles and triangles **Fractions and ratio** Solve problems including doubling, halving and sharing objects Recognise, find and name a half as one of two equal parts of an object, shape or quantity.	**Number; addition and subtraction** Recall and use addition and subtraction facts to 20 Use the inverse relationship between addition & subtraction and use this to check calculations and missing number problems. **Geometry** Describe position, directions and movements, including whole, half, quarter and three-quarter turns. **Fractions and ratio** Recognise, find, name and write fractions 1/3, 1/4, 2/4 & 3/4 of a length, shape, set of objects or quantity. Know that all parts must be equal	**Number; addition and subtraction** Add and subtract any 2 two-digit numbers using an efficient strategy (once students have recall of all addition and subtraction bonds across 10 and their associated relationships) **Geometry** Identify & describe the properties of 2-D shapes, including the number of sides & line symmetry in a vertical line Identify clockwise and anti-clockwise. **Fractions and ratio** Identify or show unit fractions up to one tenth of a quantity up to 100
Summer 5	**Number, multiplication and division** Use multiplication & division facts for 2, 5 & 10 tables, using them to solve problems, including money **Money** Add a given number of coins Give change in practical context **Geometry** Recognise and name 3-D shapes including cuboids, cubes, pyramids and spheres	**Number, multiplication and division** Solve problems involving multiplication and division, using arrays and repeated addition **Money** Find combinations of coins to equal the same amounts of money **Geometry** Identify 2D shapes on the faces of 3D shapes Describe 3D shapes including the number of edges, vertices and faces	**Number, multiplication and division** Calculate mathematical statements for multiplication and division within the multiplication tables; write using (x), (÷) & (=) signs. **Money** Interpret a calculator display. Carry out investigations involving money **Geometry** Distinguish between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns
Summer 6	**Statistics** Interpret and construct simple pictograms, tally charts, block diagrams and tables. **Fractions and ratio** Find and name a quarter as one of four equal parts of an object, shape, quantity. **Time** Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times	**Statistics** Ask and answer simple questions about totalling and comparing data **Fractions and ratio** Write simple fractions and recognise the equivalence of 1/2 and 2/4 **Time** Use a calendar and write the date correctly (day/month/year) Tell and write the time to five minutes, including quarter past/to the hour	**Statistics** Compare two or more diagrams **Fractions and ratio** Identify or show any number of thirds, quarters, fifths or tenths of an amount **Time** Understand and use the 12 hour and 24 hour clock systems and convert from one system to the other