



# Victoria Lane Academy Maths MTP / LTP – Year 2



**Throughout the year children should be taught the following and constantly revisited to build fluency**

**\*Count, recognise, read and write numbers to 100 in numerals and words**

**\*Count in steps of 2,3 and 5 from 0 and in steps of ten from any number forward and backward**

**\*Add and subtract numbers mentally including a 2 digit number and ones, tens, two 2-digit numbers and three 1-digit numbers**

**\*Tell time to the hour, half hour, quarter hour and 5 minute intervals**

**\*Know the number of minutes in an hour and hours in a day**

## Autumn 1

<b>Place Value</b>	1 week	I can count to and across 100, forward and backwards, beginning with 0 or 1 from any number.
	1 -2 weeks	I can recognise the place value of each digit in a 2-digit number
		I can order numbers from 0 to 100 I can compare numbers from 0 to 100 using < > = signs
<b>Addition Subtraction</b>	2 weeks	I can add a 2-digit number and ones
		I can add a 2-digit number and tens
		I can add two 2-digit numbers (Without regrouping)
		I can subtract a 1-digit number from a 2-digit number
		I can subtract tens from a 2-digit number I can subtract a 2-digit number from a 2-digit number (NOT crossing zero)
<b>Multiplication and division</b>	2 weeks	I can recognise odd and even numbers
		I can solve multiplication calculations for the 2x, 5x and 10x tables using the multiplication, and equals sign
		I can solve division calculations for the 2x, 5x and 10x tables using the division, and equals sign

## Autumn 2

<b>Fractions</b>	2 - 3 weeks	I recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity.
		I can write simple fractions e.g. $\frac{1}{2}$ of 6 = 3
		I recognise the equivalence of 2/4 and 1/2.
<b>Measure</b>	2 -3 weeks	I can choose and use standard units to estimate and measure length/height in any direction in m and cm using rulers.
		I can choose and use standard units to estimate and measure mass in kg and g using scales.
		I can choose and use standard units to estimate and measure capacity in l and ml using measuring vessels.
<b>Shape</b>	2 weeks	I can compare and sort common 2D shapes and everyday objects.
		I can compare and sort common 3D shapes and everyday objects.
		I can identify and describe the properties of 2D shapes including number of corners and sides
		I can identify and describe the properties of 3D shapes including the number of edges, vertices and faces.
		I can identify 2D shapes on the surface of 3D shapes.
		I can compare and sort common 2D shapes and everyday objects.

## Spring 1

**Pre assessment on previous learning of place value from Autumn 1 - Check they can do it**

<b>PV</b>	2 Weeks	I can identify, represent and estimate numbers using different representations, including the number line.
		I can use place value and number facts to solve problems.

**Addition and subtraction pre assessment to also include prior learning from Autumn term**

<b>+</b> <b>-</b>	2 weeks	I can apply my increasing knowledge of mental methods and progress to written methods
		I can recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.
		I can solve problems with addition and subtraction using concrete objects and pictorial representation, including those involving numbers, quantities and measures.
		I can show that addition of two numbers can be done in any order (Commutative) and subtraction of one number from another cannot.
<b>Multiplication and division pre assessment to also include prior learning from Autumn term</b>		
<b>X</b> <b>÷</b>	2 weeks	I can solve problems using multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts including problems in context.
		I can show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.
<b>Spring 2</b>		
<b>Fraction pre assessment to also include prior learning from Autumn term</b>		
<b>½</b>	2 weeks	Revisit fractions of quantities
		I can solve word problems which include fractions
<b>Measure</b>	2 weeks	I can compare and order lengths, mass, volume/capacity and record the results using > < and =.
		I can choose and use standard units to estimate and measure temperature in °C using thermometers.
		I can reason about simple multiplicative relationships such as twice as long or 10 times as high.
		I recognise and use symbols for £ and p and combine amounts to make a particular value.
		I can find different combinations of coins that equal the same amount of money.
		I can solve simple problems in a practical context involving addition and subtraction of money of the same units, including giving change.
<b>Shape Position</b>	1 week	I can order and arrange combinations of mathematical objects in patterns and sequences.
	1 week	I can use mathematical vocabulary to describe position, direction and movement (including rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).
<b>Summer 1</b>		
<b>PV</b>	2 weeks	<b>Consolidation of previous objectives and SATS practice / Tests</b>
<b>+</b> <b>-</b>	2 weeks	<b>Consolidation of previous objectives and SATS practice / Tests</b>
	1 week	I can solve problems with addition and subtraction applying my increasing knowledge of mental and written methods.
<b>Summer 2</b>		
<b>Time</b>	2 weeks	I can tell and write the time to five minutes, including quarter to/past and draw the hands on a clock face to show these times.
		I can compare and sequence intervals of time.
		I know the number of minutes in an hour and hours in a day
<b>Statistics</b>	3 weeks	I can interpret and construct simple pictograms.
		I can interpret and construct tally charts.
		I can interpret and construct block diagrams.
		I can interpret and construct simple tables.
		I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.
		I can ask and answer questions about totalling and comparing categorical data.