

## Maths Curriculum Overview 2021/22 – Yellow Phase (1)

	Autumn		Spring		Summer	
Week	1	2	1	2	1	2
1	Assessment Week	Number – Place value  <b>Multiplication</b>  Can I solve simple one step problems involving multiplication, calculating the answer using concrete objects, pictorial representations and arrays?  Can I recall doubles to 20?	Assessment Week	Measure  <b>Money</b>  Can I recognise and know the value of different denominations of coins and notes?  Can I recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value?	Assessment Week?	Measure  <b>Time</b>  Do I know the number of minutes in an hour and the number of hours in a day?  Can I 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?
2	Number – Place value  <b>Place Value</b>  Can I count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number?  Can I count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens?  Can I identify one more and one less from a given number?	Number – Place value  <b>Place Value</b>  Can I count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens?  Can I identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least?  Can I recognise the place value of each digit in a two-digit number (tens, ones)?	Geometry  <b>Position and Movement</b>  Can I describe position, direction and movement, including whole, half, quarter and three-quarter turns?  Can I order and arrange combinations of mathematical objects in patterns and sequences?	Measure  <b>Measurement</b>  Can I 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)	Statistics  Can I interpret and construct simple pictograms, tally charts, block diagrams and simple tables?  Can I ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity?  Can I ask and answer questions about totalling and comparing categorical data?	Measure  <b>Measurement</b>  Can I choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels?  Can I compare and order lengths, mass, volume/capacity and record the results using >, < and =?

				-capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]  Can I measure and begin to record the following:  -lengths and heights  -mass/weight  -capacity and volume		
<b>3</b>	<b>Number – Place value</b>  <b>Place Value</b>  Can I identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least?  Can I read and write numbers from 1 to 20 in numerals and words?	<b>Number – Place value</b>  <b>Division</b>  Can I understand division as sharing equally?  Can I solve simple one step problems involving division, calculating the answer using concrete objects, pictorial representations and arrays?	<b>Number – Place value</b>  <b>Place Value</b>  Can I count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward?  Can I recognise the place value of each digit in a two-digit number (tens, ones)?	<b>Number – Place value</b>  <b>Place Value</b>  Can I read and write numbers from 1 to 100 in numerals and words?  Can I identify, represent and estimate numbers using different representations, including the number line?  Can I use place value and number facts to solve problems?	<b>Number – Place value</b>  <b>Fractions</b>  Can I recognise, find, name and write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity?	<b>Number – Place value</b>  <b>Place Value</b>  Can I compare and order numbers from 0 up to 100; use <, > and = signs?  Can I use place value and number facts to solve problems?
<b>4</b>	<b>Number – Place value</b>  <b>Addition</b>  Can I read, write and interpret mathematical statements involving addition (+) and equals (=) signs?  Can I represent and use number bonds within 20?  Can I solve one-step problems that involve addition, using concrete objects and pictorial representations, and missing number problems?	<b>Number – Place value</b>  <b>Division</b>  Can I recall halves to 20?  Can I solve simple one step problems involving division, calculating the answer using concrete objects, pictorial representations and arrays?	<b>Number – Place value</b>  <b>Addition and Subtraction</b>  Can I solve problems with addition and subtraction?  (using concrete objects and pictorial representations, including those involving numbers, quantities and measures)  (applying their increasing knowledge of mental and written methods – including column method)?	<b>Number – Place value</b>  <b>Multiplication and Division</b>  Can I recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers?  Can I calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs?	<b>Number – Place value</b>  <b>Fractions</b>  Can I write simple fractions, e.g. $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of two quarters and one half?	<b>Number – Place value</b>  <b>Addition and Subtraction</b>  Can I add and subtract numbers using concrete objects, pictorial representations, and mentally? Including:  -a two-digit number and ones  -a two-digit number and tens  -two two-digit numbers  -adding three one-digit numbers

<b>5</b>	<p><b>Number – Place value</b></p> <p><b>Subtraction</b></p> <p>Can I represent and use number bonds and related subtraction facts within 20?</p> <p>Can I solve one-step problems that involve subtraction, using concrete objects and pictorial representations, and missing number problems?</p>	<p><b>Number – Place value</b></p> <p><b>Fractions</b></p> <p>Can I recognise find and name a half as one of two equal parts of an object, shape or quantity?</p> <p>Can I recognise find and name a quarter as one of four equal parts of an object, shape or quantity?</p>	<p><b>Number – Place value</b></p> <p><b>Addition and Subtraction</b></p> <p>Can I recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100?</p> <p>Can I recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems?</p>	<p><b>Measure</b></p> <p><b>Time</b></p> <p>Can I measure and begin to record time (hours, minutes, seconds)?</p> <p>Can I compare and sequence intervals of time?</p> <p>Can I 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?</p>	<p><b>Geometry</b></p> <p><b>Properties of shape</b></p> <p>Can I identify and describe the properties of 2-D shapes, including the number of sides and lines of symmetry in a vertical line?</p>	<p><b>Number – Place value</b></p> <p><b>Multiplication and Division</b></p> <p>Can I solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts?</p>
<b>6</b>	<p><b>Number – Place value</b></p> <p><b>Addition and Subtraction</b></p> <p>Can I add and subtract one-digit and two-digit numbers to 20, including zero?</p>	<p><b>Number – Place value</b></p> <p><b>Fractions</b></p> <p>Can I recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity?</p>	<p><b>Measure</b></p> <p><b>Time</b></p> <p>Can I sequence events in chronological order using language (for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening)?</p> <p>Can I recognise and use language relating to dates, including days of the week, weeks, months and year?</p> <p>Can I tell the time to the hour and half past the hour and draw the hands on a clock face to show these times?</p>	<p><b>Geometry</b></p> <p><b>Properties of shape</b></p> <p>Can I recognise and name common 2-D and 3-D shapes, including:</p> <p>-2-D shapes (for example, rectangles (including squares), circles and triangles)</p> <p>-3-D shapes (for example, cuboids (including cubes), pyramids and spheres).</p>	<p><b>Geometry</b></p> <p><b>Position and Movement</b></p> <p>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).</p>	<p><b>Statistics</b></p> <p>Can I interpret and construct simple pictograms, tally charts, block diagrams and simple tables?</p> <p>Can I ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity?</p> <p>Can I ask and answer questions about totalling and comparing categorical data?</p>

<b>7</b>	<p><b>Number – Place value</b></p> <p><b>Multiplication</b></p> <p>Can I count in multiples of 2, 5 and 10 to 100?</p> <p>Can I use repeated addition to solve multiplication problems?</p>	<p><b>Geometry</b></p> <p><b>Properties of shape</b></p> <p>Can I recognise and name common 2-D and 3-D shapes, including:</p> <p>-2-D shapes [for example, rectangles (including squares), circles and triangles]</p> <p>-3-D shapes [for example, cuboids (including cubes), pyramids and spheres].</p>				
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### Topic coverage (number of weeks)

Place Value – 6

Time – 3

Shape – 3

Addition & Subtraction – 6

Money – 2

Position & Movement – 2

Multiplication & Division – 6

Statistics – 2

Measurement - 2

Fractions/Decimals/Percentages – 4

**Extended coverage through – mental maths, investigative questioning, next steps, interventions, cross-topic links**