

Maths Curriculum Overview 2021/22 – Green Phase (2)

	Autumn		Spring		Summer	
Week	1	2	1	2	1	2
1	Assessment Week	Number – Place value Multiplication Can I recall and use multiplication facts for the 3, 4 and 8 multiplication tables? Can I solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts?	Assessment Week	Measure Money Can I recognise and know the value of different denominations of coins and notes? Can I add and subtract amounts of money to give change, using both £ and p in practical contexts?	Assessment Week	Measure Time Can I tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks? Can I 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? Can I compare durations of events [for example to calculate the time taken by particular events or tasks]?
2	Number – Place value Place Value 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 three-digit number (hundreds, tens, ones)?	Number – Place value Place Value Can I compare and order numbers from 0 up to 1000; use <, > and = signs? Can I use place value and number facts to solve problems?	Geometry Position and Movement Can I recognise angles as a description of a turn? Can I 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?	Measure Measurement Can I measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)?	Statistics Can I interpret and present data using bar charts, pictograms and tables? Can I 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?	Measure Measurement Can I measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)? Can I measure the perimeter of simple 2-D shapes?
3	Number – Place value Place Value	Number – Place value Division	Number – Place value Place Value	Number – Place value Place Value	Number – Place value Fractions	Number – Place value Place Value

	<p>Can I read and write numbers from 1 to 1000 in numerals and words?</p> <p>Can I identify, represent and estimate numbers using different representations, including the number line?</p> <p>Can I use place value and number facts to solve problems?</p>	<p>Can I understand division as sharing equally?</p> <p>Can I solve simple one step problems involving division, calculating the answer using concrete objects, pictorial representations and arrays?</p>	<p>Can I count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number?</p>	<p>Can I identify, represent and estimate numbers using different representations?</p> <p>Can I round numbers to the nearest 10?</p>	<p>Can I recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators?</p> <p>Can I work out half of an even number up to 24 and a fifth of a multiple of 5 up to 60?</p>	<p>Can I solve number problems and practical problems using place value?</p>
4	<p>Number – Place value</p> <p>Addition</p> <p>Can I recall and use addition facts to 20 fluently, and derive and use related facts up to 100?</p> <p>Can I show that addition of two numbers can be done in any order?</p>	<p>Number – Place value</p> <p>Division</p> <p>Can I recall and use division facts for the 3, 4 and 8 multiplication tables?</p> <p>Can I solve problems involving division, calculating the answer using concrete objects, pictorial representations and arrays?</p>	<p>Number – Place value</p> <p>Addition and Subtraction</p> <p>Can I add and subtract numbers using concrete objects, pictorial representations, and mentally? Including:</p> <ul style="list-style-type: none"> -a three-digit number and ones -a three-digit number and tens -adding three-digit number and hundreds. <p>Can I add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction?</p>	<p>Number – Place value</p> <p>Multiplication and Division</p> <p>Can I recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables?</p> <p>Can I write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods?</p> <p>Can I solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects?</p>	<p>Number – Place value</p> <p>Fractions / Decimals</p> <p>Can I recognise decimal equivalence for simple fractions (half, quarters and three quarters)?</p> <p>Can I round a two decimal place number to the nearest whole and one decimal place?</p>	<p>Number – Place value</p> <p>Addition and Subtraction</p> <p>Can I add and subtract numbers using concrete objects, pictorial representations, and mentally? Including:</p> <ul style="list-style-type: none"> -a three-digit number and ones -a three-digit number and tens -adding three-digit number and hundreds. <p>Can I add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction?</p> <p>Can I solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction?</p>
5	<p>Number – Place value</p> <p>Subtraction</p> <p>Can I recall and use subtraction facts to 20 fluently, and derive and use related facts up to 100?</p>	<p>Number – Place value</p> <p>Fractions</p> <p>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?</p>	<p>Number – Place value</p> <p>Addition and Subtraction</p> <p>Can I estimate the answer to a calculation and use inverse operations to check answers?</p>	<p>Measure</p> <p>Time</p> <p>Can I tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks?</p>	<p>Geometry</p> <p>Properties of shape</p> <p>Can I draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them?</p>	<p>Number – Place value</p> <p>Multiplication and Division</p> <p>Can I write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit</p>

	Can I show that subtraction facts cannot be solved in any order?	Can I write simple fractions, e.g. $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of two quarters and one half?	Can I solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction?		Can I identify horizontal and vertical lines and pairs of perpendicular and parallel lines?	<p>numbers, using mental and progressing to formal written methods?</p> <p>Can I solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects?</p>
6	<p>Number – Place value</p> <p>Addition and Subtraction</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>Number – Place value</p> <p>Fractions / Decimals</p> <p>Can I count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10?</p> <p>Can I recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators?</p>	<p>Measure</p> <p>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>Do I know the number of seconds in a minute and the number of days in each month, year and leap year?</p>	<p>Geometry</p> <p>Properties of shape</p> <p>Can I recognise right angles as a property of a shape?</p> <p>Can I describe the properties of 2-D shapes including right angles?</p>	<p>Geometry</p> <p>Position and Movement</p> <p>Can I predict the next shape in a repeating pattern?</p> <p>Can I identify a square on a 5x5 square grid by referring to the row and column that it is in?</p>	<p>Statistics</p> <p>Can I interpret and present data using bar charts, pictograms and tables?</p> <p>Can I 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?</p>
7	<p>Number – Place value</p> <p>Multiplication</p> <p>Can I recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers?</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>	<p>Geometry</p> <p>Properties of shape</p> <p>Can I draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them?</p>				<p>Measure</p> <p>Money</p> <p>Can I add and subtract amounts of money to give change, using both £ and p in practical contexts?</p>

Topic coverage (number of weeks)

Place Value – 6

Addition & Subtraction – 6

Time – 3

Money – 2

Shape – 3

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