

### Curriculum Maps for KS1 & 2 2022-2023

The maths learning journey at Chase Lane will see many topics repeated and revisited; each time the learning opportunities will become progressively more difficult and facilitate a deeper understanding.

	Autumn Term		Spring Term		Summer Term	
	1	2	1	2	1	2
Year 1	<ul style="list-style-type: none"> <li>Counting</li> <li>Addition and subtraction to 5 or more</li> <li>Addition totals to 10</li> <li>Properties of shape</li> <li>Addition and subtraction to 10</li> </ul>	<ul style="list-style-type: none"> <li>Counting and number order</li> <li>Place value and comparing quantities and numbers</li> <li>Developing mental strategies for addition</li> <li>Subtraction as difference</li> <li>Measures</li> <li>Addition and subtraction using money</li> </ul>	<ul style="list-style-type: none"> <li>Counting, reading and writing number patterns.</li> <li>Doubles and near doubles.</li> <li>Grouping and sharing</li> <li>Fractions</li> <li>Measures including time</li> <li>Addition and subtraction to 15</li> </ul>	<ul style="list-style-type: none"> <li>Counting and place value</li> <li>Addition and subtraction beyond totals of 10</li> <li>Grouping and sharing</li> <li>Shape, position and movement</li> <li>Measuring and time</li> <li>Addition and subtraction to 20</li> </ul>	<ul style="list-style-type: none"> <li>Addition totals to 10</li> <li>Addition and subtraction to 20</li> <li>Fractions</li> <li>Multiplication and division</li> <li>Measuring</li> <li>Moving and turning</li> </ul>	<ul style="list-style-type: none"> <li>Number and place value</li> <li>Addition and subtraction</li> <li>Fractions</li> <li>Multiplication and division</li> <li>Time using standard units</li> <li>Shape and Pattern</li> </ul>
Year 2	<ul style="list-style-type: none"> <li>Number and place value: counting, reading and writing 2-digit numbers</li> <li>Addition: concrete, visual and number facts</li> <li>Subtraction: concrete, visual and number facts</li> <li>Multiplication and division: repeated</li> </ul>	<ul style="list-style-type: none"> <li>Number and place value: comparing, ordering two-digit numbers and knowing their place value</li> <li>Addition and subtraction: using recall of addition and subtraction facts and mental calculation</li> </ul>	<ul style="list-style-type: none"> <li>Number and place value: estimating, counting and comparing quantities</li> <li>Addition and subtraction: using recall of addition and subtraction facts and mental calculation strategies</li> </ul>	<ul style="list-style-type: none"> <li>Number and place value: counting, reading and writing 2-digit numbers</li> <li>Addition: concrete, visual and number facts</li> <li>Subtraction: concrete, visual and number facts</li> <li>Multiplication and division: repeated</li> </ul>	<ul style="list-style-type: none"> <li>Number and place value: estimating, counting and comparing quantities</li> <li>Addition and subtraction: using recall of addition and subtraction facts and mental calculation strategies</li> </ul>	<ul style="list-style-type: none"> <li>Number and place value: counting, reading and writing 2-digit numbers</li> <li>Addition: concrete, visual and number facts</li> <li>Subtraction: concrete, visual and number facts</li> <li>Multiplication and division: repeated</li> </ul>

	<p>addition and repeated subtraction</p> <ul style="list-style-type: none"> <li>• Geometry: properties of 2D and 3D shapes</li> <li>• Measures: length, mass, capacity, money</li> </ul>	<p>strategies</p> <ul style="list-style-type: none"> <li>• Multiplication and division: repeated addition and subtraction, arrays, grouping and using times tables facts</li> <li>• Fractions: finding fractions of quantities, shapes and sets of objects</li> <li>• Geometry: position, direction, motion</li> <li>• Measures: time</li> <li>• Data: solving problems that involve collecting data in tallies, tables and pictograms</li> </ul>	<ul style="list-style-type: none"> <li>• Addition and subtraction: using partitioning and counting on strategies</li> <li>• Multiplication and division: repeated addition and subtraction, arrays, grouping and using times tables facts</li> <li>• Geometry: properties of 3D and 2D shapes</li> <li>• Measures: length, mass, capacity and money</li> </ul>	<p>addition and repeated subtraction</p> <ul style="list-style-type: none"> <li>• Geometry: properties of 3D and 2D shapes</li> <li>• Measures: length, mass, capacity, money</li> </ul>	<ul style="list-style-type: none"> <li>• Addition and subtraction: using partitioning and counting on strategies</li> <li>• Multiplication and division: repeated addition and subtraction, arrays, grouping and using times tables facts</li> <li>• Geometry: properties of 3D and 2D shape</li> <li>• Measures: length, mass, capacity and money</li> </ul>	<p>addition and repeated subtraction</p> <ul style="list-style-type: none"> <li>• Geometry: properties of 3D and 2D shape</li> <li>• Measures: length, mass, capacity, money</li> </ul>
<b>Year 3</b>	<ul style="list-style-type: none"> <li>• Reading, writing and ordering 2 and 3 digit numbers</li> <li>• Counting and estimating</li> <li>• Number facts to 20 and to 100</li> <li>• Addition and subtraction of 1 and 2 digit numbers</li> <li>• Multiplication and division facts</li> <li>• Measuring using mm, cm and metres</li> <li>• Recognising, describing and making 2D and 3D shapes</li> </ul>	<ul style="list-style-type: none"> <li>• Counting and estimating</li> <li>• Addition and subtraction of two and three digit numbers, using a number line and columns</li> <li>• Multiplication and division: doubling, halving and <math>10 \times 10</math></li> <li>• Fractions: representing, comparing and ordering unit fractions of shapes and numbers</li> <li>• Read and write time</li> </ul>	<ul style="list-style-type: none"> <li>• Number, place value and rounding</li> <li>• Use partitioning to add and subtract two-digit numbers</li> <li>• Multiplication and division: multiplying one-digit numbers by multiples of 10</li> <li>• Multiplication and division: practical and informal written methods</li> <li>• Measures: adding and subtracting</li> </ul>	<ul style="list-style-type: none"> <li>• Addition and subtraction of two-digit numbers using columns</li> <li>• Multiplication and division: multiplying by multiples of 10, and dividing with remainders</li> <li>• Multiplication and division: multiplying and dividing larger number</li> <li>• Measuring using grams and kilograms</li> <li>• Fractions: representing, comparing and</li> </ul>	<ul style="list-style-type: none"> <li>• Read, write, order and round 2 and 3 digit numbers</li> <li>• Multiplication and division problems</li> <li>• Addition and subtraction of 3-digit numbers and 1s, 10s and 100s</li> <li>• Addition and subtraction of 2 and 3 digit numbers using columns</li> <li>• Shape: identifying horizontal, vertical and curved lines</li> <li>• Measuring using</li> </ul>	<ul style="list-style-type: none"> <li>• Addition and Subtraction of 2 and 3 digit numbers</li> <li>• Multiplication and Division problems: Written Methods</li> <li>• Short multiplication and division</li> <li>• Fractions</li> <li>• Time</li> <li>• Statistics</li> </ul>

		<ul style="list-style-type: none"> <li>to 5 minute intervals</li> <li>Read, present and interpret pictograms and tables</li> </ul>	<ul style="list-style-type: none"> <li>money</li> <li>Recognising and drawing right angles in 2D shapes</li> </ul>	<ul style="list-style-type: none"> <li>ordering unit and non-unit fractions of shapes and numbers</li> <li>Read and interpret bar charts and using scales</li> </ul>	<ul style="list-style-type: none"> <li>millilitres and litres</li> </ul>	
<b>Year 4</b>	<ul style="list-style-type: none"> <li>Number, place value and rounding</li> <li>Mental addition and subtraction</li> <li>Multiplication</li> <li>Multiplication and division</li> <li>Geometry: properties of shapes</li> <li>Measures</li> </ul>	<ul style="list-style-type: none"> <li>Mental and written addition and subtraction</li> <li>Multiplication</li> <li>Multiplication and division</li> <li>Fractions</li> <li>Geometry</li> <li>Data handling and time</li> </ul>	<ul style="list-style-type: none"> <li>Number, place value and rounding</li> <li>Mental and written addition and subtraction</li> <li>Mental and written multiplication</li> <li>Mental and written division</li> <li>Fractions</li> <li>Fractions and decimals</li> </ul>	<ul style="list-style-type: none"> <li>Mental calculation</li> <li>Written addition and subtraction</li> <li>Time</li> <li>Written multiplication and division</li> <li>Geometry</li> <li>Data handling and measurement</li> </ul>	<ul style="list-style-type: none"> <li>Place value</li> <li>Mental addition, subtraction and measures (use measures as a context for problems)</li> <li>Written addition, subtraction and measures</li> <li>Mental and written multiplication and division</li> <li>Fractions</li> <li>Area and perimeter</li> <li>Shapes and capacity</li> </ul>	<ul style="list-style-type: none"> <li>Mental Calculations</li> <li>Measures</li> <li>Written addition and subtraction</li> <li>Mental and written multiplication and division</li> <li>2D shape, angles and coordinates</li> <li>Statistics</li> </ul>
<b>Year 5</b>	<ul style="list-style-type: none"> <li>Place value to 1,000,000</li> <li>Mental addition and subtraction</li> <li>Factors of numbers and prime numbers</li> <li>Using multiplication and division facts</li> <li>Angles</li> <li>Length, perimeter</li> </ul>	<ul style="list-style-type: none"> <li>Written methods for multiplication</li> <li>Divide 4-digit numbers</li> <li>Fractions and decimals: tenths and hundredths</li> <li>Decimals: tenths, hundredths, thousandths</li> </ul>	<ul style="list-style-type: none"> <li>Negative numbers, and solving problems involving numbers</li> <li>Addition and subtraction of large numbers and money</li> <li>Long multiplication,</li> </ul>	<ul style="list-style-type: none"> <li>Addition and subtraction: mental and written methods for large numbers.</li> <li>Multiplication and division: written methods</li> <li>Calculating with fractions</li> </ul>	<ul style="list-style-type: none"> <li>Negative numbers and Roman Numerals</li> <li>Adding and subtracting large and small numbers</li> <li>Long multiplication and division with</li> </ul>	<ul style="list-style-type: none"> <li>Addition and Subtraction of money</li> <li>Multiplication and Division of money</li> <li>Problems involving percentages</li> <li>Perimeter and area scale drawing</li> <li>Using tables and</li> </ul>

	and area	<ul style="list-style-type: none"> <li>• 2D and 3D shapes</li> <li>• Tables and bar charts</li> </ul>	<p>square numbers and cube numbers</p> <ul style="list-style-type: none"> <li>• Adding and subtracting fractions</li> <li>• Reflections and translations</li> <li>• Mass</li> </ul>	<ul style="list-style-type: none"> <li>• Percentages</li> <li>• Capacity</li> <li>• Line graphs/ comparative graphs</li> </ul>	<p>remainders</p> <ul style="list-style-type: none"> <li>• Fractions</li> <li>• Diagonals and problems involving angles</li> <li>• Volume, time and money</li> </ul>	<p>line graphs</p>
<b>Year 6</b>	<ul style="list-style-type: none"> <li>• Place value and rounding off</li> <li>• Mental and written addition and subtraction of large numbers</li> <li>• Multiples, factors and prime numbers</li> <li>• Written methods for multiplication and division: HTO <math>\times</math> TO and HTO <math>\times</math> O</li> <li>• Circles and angles</li> <li>• Units of measure</li> </ul>	<ul style="list-style-type: none"> <li>• Written methods for multiplication and division</li> <li>• Comparing, ordering and simplifying fractions</li> <li>• Multiplying decimals by 10, 100 and 1000</li> <li>• Order of operations</li> <li>• 2D and 3D shapes</li> <li>• Pie charts</li> </ul>	<ul style="list-style-type: none"> <li>• Negative numbers, and solving problems involving numbers</li> <li>• Mental and written addition and subtraction of decimals and money</li> <li>• Calculating with fractions</li> <li>• Reflections and translations on coordinate axes</li> <li>• Perimeter, area and volume</li> </ul>	<ul style="list-style-type: none"> <li>• Calculating with large numbers</li> <li>• Multiplying and dividing decimals</li> <li>• Percentages, decimals and fractions</li> <li>• Simple formulae</li> <li>• Area and volume</li> <li>• Line graphs</li> </ul>	<ul style="list-style-type: none"> <li>• Problems involving number</li> <li>• Adding and subtracting large and small numbers</li> <li>• Long multiplication and division</li> <li>• Working with fractions</li> <li>• Problems involving percentages, fractions and decimals</li> <li>• Ratio and proportion</li> </ul>	<ul style="list-style-type: none"> <li>• Solving problems involving money</li> <li>• Number puzzles</li> <li>• Fractions with different denominators</li> <li>• Problems involving percentages and decimals</li> <li>• Problems involving measures</li> <li>• Using data</li> </ul>