



Week	1	2	3	4	5	6	7	8	9	10	11	12		
Autumn	<b>Number – place value</b> <ul style="list-style-type: none"> <li>Numbers to 10,000</li> <li>Recap – round to nearest 10, 100</li> <li>Round to nearest 1000</li> <li>Numbers to 100, 000</li> <li>Compare and order numbers to 100,000</li> <li>Round numbers within 100,000</li> <li>Numbers to a million</li> <li>Count in 10s, 100s, 1000s, 10,000s, 100,000s</li> <li>Compare and order numbers to a million</li> <li>Roman numerals to 1000</li> </ul>			<b>Number – addition and subtraction</b> <ul style="list-style-type: none"> <li>Add whole numbers with more than 4 digits (column)</li> <li>Subtract whole numbers with more than 4 digits (column)</li> <li>Round to estimate</li> <li>Inverse operations</li> <li>Multi-step addition and subtraction problems</li> </ul>		<b>Number – multiplication and division</b> <ul style="list-style-type: none"> <li>Identify multiples, factors, common factors, prime numbers</li> <li>Square and cube numbers</li> <li>Multiply by 10, 100 and 1000</li> <li>Divide by 10, 100 and 1000</li> <li>Multiples of 10, 100, 1000</li> </ul>			<b>Number – fractions</b> <ul style="list-style-type: none"> <li>Find and recognise equivalent fractions</li> <li>Change improper fractions to mixed numbers and mixed to improper</li> <li>Compare and order fractions less than 1</li> <li>Compare and order fractions greater than 1</li> <li>Add and subtract fractions with same denominator</li> <li>Add fractions within 1</li> <li>Add fractions which total greater than 1</li> <li>Add to a mixed number</li> <li>Subtract fractions</li> <li>Subtract from a mixed number/ subtract 2 mixed numbers</li> </ul>					
Spring	<b>Number – multiplication and division</b> <ul style="list-style-type: none"> <li>Multiply a 4-digit by a 1 digit</li> <li>Multiply 2 digits (use area model)</li> <li>Multiply 2 digit by 2-digit</li> <li>Multiply 3 digit by 2 digit</li> <li>Multiply 4 digit by 2 digit</li> <li>Divide 4 digit by 1 digit</li> <li>Divide with remainders</li> </ul>			<b>Number – fractions</b> <ul style="list-style-type: none"> <li>Multiply unit fractions by an integer</li> <li>Multiply non unit fractions by an integer</li> <li>Multiply mixed numbers by integers</li> <li>Find fraction of an amount</li> <li>Use fractions as operators</li> </ul>		<b>Number – decimals and percentages</b> <ul style="list-style-type: none"> <li>Decimals up to 2dp</li> <li>Decimals as fractions</li> <li>Understand thousandths</li> <li>Round decimals</li> <li>Order and compare decimals</li> <li>Understand %</li> <li>Equivalent FDP</li> </ul>			<b>Measurement – perimeter and area</b> <ul style="list-style-type: none"> <li>Measure perimeter</li> <li>Calculate perimeter</li> <li>Area of rectangles</li> <li>Area of compound shapes</li> <li>Area of irregular shapes</li> </ul>		<b>Statistics</b> <ul style="list-style-type: none"> <li>Read and interpret line graphs</li> <li>Draw line graphs</li> <li>Use line graphs to solve problems</li> <li>Read and interpret tables</li> <li>Two-way tables timetables</li> </ul>			
Summer	<b>Geometry – properties of shape</b> <ul style="list-style-type: none"> <li>Measure angles in degrees with a protractor</li> <li>Draw lines and angles accurately</li> <li>Calculate angles on a straight line</li> <li>Calculate angles around a point</li> <li>Recap – triangles and quadrilaterals</li> <li>Calculate lengths and angles in shapes</li> <li>Regular and irregular polygons</li> <li>Reason about 3D shapes</li> </ul>			<b>Geometry – position and direction</b> <ul style="list-style-type: none"> <li>Position in the 1<sup>st</sup> quadrant</li> <li>Translations with coordinates</li> <li>Recap – lines of symmetry</li> </ul> <p>Reflection with coordinates</p>		<b>Number – decimals</b> <ul style="list-style-type: none"> <li>Add and subtract decimals within 1</li> <li>Complements to 1</li> <li>Add decimals – cross the whole</li> <li>Add and subtract decimals with same number of decimal places</li> <li>Add and subtract decimals with different number of decimal places</li> <li>Add subtract wholes and decimals</li> <li>Multiply and divide decimals by 10, 100, 1000</li> </ul>			<b>Number – negative numbers</b>	<b>Measurement – converting units</b> <ul style="list-style-type: none"> <li>Kilometres and kilograms, millilitres and millimetres</li> <li>Metric and imperial units</li> <li>Converting units of time</li> <li>Timetables</li> </ul>		<b>Measure – volume</b> <ul style="list-style-type: none"> <li>Compare and estimate volumes</li> <li>Estimate capacity</li> </ul>		

Number and place value	Addition and subtraction	Multiplication and division	Fractions	Measurement	Geometry	Other (some elements are part of NC but not included in DfE guidance or NCEM mastery PD Materials)
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