

	<b>Term 1: Sept –Dec Content</b>	<b>Term 2: Jan-April Content</b>	<b>Term 3: April - July Content</b>	<b>Desired end of year outcomes</b>
<b>Year 7 -Mrs Nowacka</b>	<p><b>Number and Place Value</b></p> <ul style="list-style-type: none"> <li>-Recognise, finish, create and describe patterns</li> <li>-Count with numbers from 1 to 20 and place them in order</li> <li>-Read and write numbers from 1 to 20 in numerals and words</li> <li>-Use number bonds to ten</li> <li>-Identify and represent numbers using objects to 20</li> <li>-Identify number before/1 more and after/1 less than a given number to 20</li> </ul> <p><u>Extension:</u></p> <ul style="list-style-type: none"> <li>-Count, read and write numbers to 100 in numerals</li> <li>-Place numbers on a number line to 100 and other pictorial representations.</li> <li>-Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.</li> <li>-Identify 1 more or 1 less than a given number to 100</li> </ul> <p><b>Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>-Understand addition as counting on and subtraction as counting back.</li> <li>-Add two 1-digit numbers and count on to find the answer using visual cues</li> <li>-Take away two 1-digit numbers and count back using visual cues.</li> </ul> <p><u>Extension:</u></p> <ul style="list-style-type: none"> <li>-Use number bonds to 10 to solve simple problems.</li> <li>-Add and take away 1-digit and 2-digit numbers to 20, including zero.</li> </ul>	<p><b>Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>-Read, write and interpret mathematical statements involving +, – and =</li> <li>Understand put together, altogether, add, total, take away, distance between, difference, between, more than, less than</li> <li>-Use the language of most and least</li> </ul> <p><u>Extension:</u></p> <ul style="list-style-type: none"> <li>-Represent and use number bonds within 20 (understand the effect of + 0)</li> <li>- Solve 1-step problems that involve + and -, using concrete objects and pictorial representations, and missing number problems such as <math>7 = ? - 9</math>.</li> <li>-Begin recognising number patterns including evens and odds</li> <li>-Count in multiples of 2, 5 and 10 from different starting points.</li> </ul> <p><b>Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>-Count in multiples of 2, 5 and 10</li> <li>-Solve problems including doubling halving and sharing</li> </ul> <p><u>Extension:</u></p> <ul style="list-style-type: none"> <li>-Solve one-step problems involving <math>\times</math> and <math>\div</math>, by calculating the answer using concrete objects, pictorial representations and arrays with support</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>-Recognise, find and name a <math>\frac{1}{2}</math> as one of 2 equal parts and <math>\frac{1}{4}</math> as one of 4 equal parts of an object or shape</li> </ul> <p><u>Extension:</u></p> <ul style="list-style-type: none"> <li>-Recognise, find and name a <math>\frac{1}{2}</math> as one of 2 equal parts and <math>\frac{1}{4}</math> as one of 4 equal parts of a quantity.</li> <li>-Make connections between <math>\frac{1}{2}</math> and <math>\frac{1}{4}</math></li> </ul>	<p><b>Measures</b></p> <ul style="list-style-type: none"> <li>-Use everyday language to talk about time and money to compare quantities and solve problems.</li> <li>-Recognise and know the value of different denominations of coins and notes.</li> <li>-Sequence events in chronological order using time related language.</li> </ul> <p><u>Extension:</u></p> <ul style="list-style-type: none"> <li>-Compare and solve practical problems for lengths and heights, mass and weights, capacity and volume and time e.g long/short, longer/shorter, tall/short, double/half, heavier, lighter, full/empty, more than half, quicker/slower, earlier/later</li> <li>-Recognise and use language relating to dates, including days of the week, weeks, months and years.</li> </ul> <p><b>Position and Direction</b></p> <ul style="list-style-type: none"> <li>-Describe position, direction and movement using everyday language.</li> </ul> <p><u>Extension:</u></p> <ul style="list-style-type: none"> <li>-Describe position, direction and movement using language of direction.</li> <li>-Recognise the word clockwise</li> <li>-Recognise and use physical movement to show whole, <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math> and <math>\frac{3}{4}</math> turns.</li> </ul>	<p>Recognising, finishing and describing patterns.</p> <p>Counting confidently forwards and backwards to 100.</p> <p>Understanding addition as counting on and subtraction as counting back.</p> <p>Counting in 2s, 5s and 10s &amp; link this to repeated addition and subtraction.</p> <p>Recognising a half as one of two equal parts.</p> <p>Recognising a quarter as one of four equal parts.</p> <p>Recognising different coins and notes.</p> <p>Using mathematical language to sequence everyday events.</p> <p>Naming and ordering days of the week and months of the year.</p>

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<b>YEAR 7 – Miss Kane</b>	<p><b>Number and Place Value</b></p> <ul style="list-style-type: none"> <li>-Read and write numbers to 100 and count across 100</li> <li>-Create repeating patterns and recognise numeric patterns</li> <li>-Identify 1 or 10 more and less than a number and use number bonds</li> <li>-Use number bonds</li> </ul> <p><b>Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>-Read and write mathematical statements using bonds to 20</li> <li>-Use varied language to add and subtract</li> <li>-Use concrete or pictorial representations to solve missing number problems</li> </ul> <p><b>Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>-Use concrete or pictorial support to solve simple calculations</li> </ul> <p>Double quantities and find simple fractions of a number or quantity</p>	<p><b>Number and Place Value</b></p> <ul style="list-style-type: none"> <li>-Recognise value of 2-digit numbers and thus compare numbers up to 100</li> <li>-Count forward and backwards in 2s, 5s, 10s from different starting points</li> <li>-Count in 3s</li> </ul> <p><b>Properties of Shape</b></p> <ul style="list-style-type: none"> <li>-Recognise, name, sort and describe properties of common 2D and 3D shapes and draw common 2D shapes</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>-Recognise half as one of two equal pieces and a quarter as one of four</li> <li>-Find half and quarter of a shape or quantity</li> <li>-Make connections of half and quarter</li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>-Recognise coins and notes</li> <li>-Sequence events</li> <li>-Use varied vocabulary (long/short/heavy /light/full/empty/quick/slow/early/late)</li> <li>-Measure and record capacity, length, weight and time</li> <li>-Tell the time to nearest half-hour</li> </ul>	<p><b>Number and Place Value</b></p> <ul style="list-style-type: none"> <li>-Identify, represent and estimate numbers including using a number line</li> <li>-Count in 3s forwards and backwards</li> <li>-Use place value to solve problems</li> </ul> <p><b>Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>-Add and subtract ones or tens from up to 3-digit numbers</li> <li>-Solve sum and difference problems using manipulatives to support</li> <li>-Recall and use facts to 20 + inverse</li> </ul> <p><b>Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>-Recognise patterns in 2x, 5x and 10x tables</li> <li>-Write and calculate multiplication and division calculations</li> <li>-Solve problems using manipulatives as aids</li> </ul> <p><b>Measures</b></p> <ul style="list-style-type: none"> <li>-Combine different coins to make totals and give simple change</li> <li>-Tell the time to 5-minute intervals</li> <li>-Compare and sequence time intervals</li> <li>-Choose appropriate units for length, mass and volume and compare them</li> </ul>	<p>Solid understanding of place value in 3-digit numbers including measures.</p> <p>Add or subtract one digit or tens from 2- or 3-digit numbers. Record in columns.</p> <p>Count in 2s, 5s, 10s, 3s and recall related facts.</p> <p>Double and halve quantities.</p> <p>Understand that multiplication and addition are commutative whereas subtraction and division are not.</p> <p>Confidently use manipulatives to aid problem solving.</p> <p>Know time facts (e.g. hours in a day, minutes in an hour) and tell the time to 5 minute intervals.</p> <p>Give change from £1.</p> <p>Describe common 2D and 3D shapes.</p>

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<b>Year 7 -Mrs Shaw</b>	<p><b>Number</b></p> <p><b>Place value</b></p> <ul style="list-style-type: none"> <li>Identify, represent and estimate numbers using different representations.</li> <li>Find 10 or 100 more or less</li> <li>Compare and order numbers</li> <li>Solve number problems</li> <li>Count from 0 in multiples of 50 and 100</li> </ul> <p><b>Addition and Subtraction</b></p> <ul style="list-style-type: none"> <li>Add and subtract numbers mentally</li> <li>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.</li> <li>Estimate and use inverse operations to check answers.</li> <li>Solve problems</li> </ul> <p><b>Multiplication and Division</b></p> <ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>Solve problems involving multiplication and division</li> <li>Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</li> </ul>	<p><b>Number</b></p> <p><b>multiplication and division</b></p> <ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</li> <li>Solve problems, including missing number problems</li> <li>Write and calculate mathematical statements for multiplication and division, using mental and progressing to formal written methods.</li> </ul> <p><b>Measurement – money</b></p> <ul style="list-style-type: none"> <li>Count money</li> <li>Add money</li> <li>Subtract money</li> <li>Give change</li> </ul> <p><b>Statistics</b></p> <ul style="list-style-type: none"> <li>Interpret and present data using bar charts, pictograms and tables.</li> <li>Solve one step and two-step questions using information presented in scaled bar charts and pictograms and tables.</li> </ul> <p><b>Measurement – Length and perimeter</b></p> <ul style="list-style-type: none"> <li>Measure &amp; compare length (cm, m)</li> <li>Find equivalent lengths</li> <li>Add &amp; subtract lengths</li> <li>Measure &amp; calculate perimeter</li> <li>Calculate perimeter</li> </ul> <p><b>Number – fractions</b></p> <ul style="list-style-type: none"> <li>Find and make equal parts</li> <li>Recognise and find halves, quarters &amp; thirds</li> <li>Equivalence of <math>\frac{1}{2}</math> and <math>\frac{2}{4}</math></li> <li>Count in fractions</li> </ul>	<p><b>Number</b></p> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>Making the whole</li> <li>Tenths</li> <li>Fractions on a number line</li> <li>Fractions of a set of objects</li> <li>Equivalent fractions</li> <li>Compare, order, add and subtract fractions</li> </ul> <p><b>Measurement</b></p> <ul style="list-style-type: none"> <li>Tell and write the time from an analogue clock, including using Roman numerals and 12-hour and 24-hour clocks.</li> <li>O'clock and half past</li> <li>Quarter past and quarter to</li> <li>Months and years</li> <li>Hours in a day</li> <li>Telling the time to 5 minutes</li> <li>Telling the time to the minute</li> <li>Using a.m. and p.m.</li> <li>24 hour clock</li> <li>Finding the duration</li> <li>Comparing durations</li> <li>Start and end times</li> <li>Measuring time in seconds</li> </ul> <p><b>Geometry – properties of shape</b></p> <ul style="list-style-type: none"> <li>Turns and angles</li> <li>Right angles in shapes</li> <li>Draw accurately</li> <li>Horizontal and vertical</li> <li>Parallel and perpendicular</li> <li>Recognise and describe 2-D &amp; 3D shapes</li> </ul> <p><b>Measurement – mass and capacity</b></p> <ul style="list-style-type: none"> <li>Compare, measure, add and subtract mass</li> <li>Measure, compare, add and subtract capacity</li> <li>Temperature</li> </ul>	<p>Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts.</p> <p>Apply place-value knowledge.</p> <p>Manipulate the additive relationship: Understand the inverse relationship between addition and subtraction.</p> <p>Apply known multiplication and division facts to solve contextual problems.</p> <p>Add and subtract fractions with the same denominator, within 1.</p> <p>Recognise right angles as a property of shape or a description of a turn, and identify right angles in 2D shapes presented in different orientations.</p> <p>Draw polygons by joining marked points, and identify parallel and perpendicular sides.</p>

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Year 7 - Miss Mendez	<p><b>Number – Place Value</b> Count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward</p> <p>Recognise the place value of each digit in a two-digit number (10s, 1s)</p> <p>Compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs</p> <p>Read and write numbers up to 1000 in numerals and in words</p> <p>Use place value and number facts to solve problems</p> <p><b>Number – Addition and Subtraction</b> Solve problems with addition and subtraction: applying their increasing knowledge of mental and written methods</p> <p>Recall and use addition and subtraction facts up to 100</p> <p>Add and subtract a two-digit number and 1s, a two-digit number and 10s, 2 two-digit numbers and adding 3 one-digit numbers</p> <p>Show that addition of 2 numbers can be done in any order and subtraction of 1 number from another cannot</p> <p>Recognise and use the inverse relationship to check calculations and solve missing number problems</p> <p><b>Measurement – Money</b> Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</p> <p>Find different combinations of coins that equal the same amounts of money</p> <p>Solve simple problems involving addition and subtraction of money including giving change</p> <p><b>Number – Multiplication and Division</b> Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</p>	<p><b>Number – Multiplication and Division</b> Calculate multiplication and division statements within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs</p> <p>Show that multiplication of 2 numbers can be done in any order and division of 1 number by another cannot</p> <p>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</p> <p><b>Statistics</b> Interpret and construct simple pictograms, tally charts, block diagrams and tables</p> <p>Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</p> <p>Ask-and-answer questions about totalling and comparing categorical data</p> <p><b>Geometry – Properties of Shape</b> Identify and describe the properties of 2-D shapes, including the number of sides, and line symmetry in a vertical line</p> <p>Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</p> <p>Identify 2-D shapes on the surface of 3-D shapes</p> <p>Compare and sort common 2-D and 3-D shapes and everyday objects</p> <p><b>Number – Fractions</b> Recognise, find, name and write unit fractions of a length, shape, set of objects or quantity Write simple fractions of amounts and recognise equivalent fractions</p>	<p><b>Measurement – Length and Height</b> Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) using rulers</p> <p><b>Geometry – Position and Direction</b> Order and arrange patterns and sequences</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>Measurement – Time</b> Compare and sequence intervals of time</p> <p>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>Know the number of minutes in an hour and the number of hours in a day</p> <p><b>Measurement – Mass, Capacity and Temperature</b> Choose and use appropriate standard units to estimate and measure mass (kg/g), temperature (°C) and capacity (litres/ml) to the nearest unit</p> <p>Use scales, thermometers and measuring vessels to compare and order mass, volume/capacity and record the results using &gt;, &lt; and =</p>	<p><b>Students who have acquired the following skills will be ready to progress to the next level.</b></p> <p>Recall and use multiplication and division facts for 2, 5 and 10 and make deductions outside known multiplication facts</p> <p>Use reasoning about numbers and relationships to solve more complex problems and explain their thinking</p> <p>Solve unfamiliar word problems that involve more than one step</p> <p>Read the time on the clock to the nearest 5 minutes</p> <p>Read scales where not all numbers on the scale are given and estimate points in between</p> <p>Describe similarities and differences of 2-D and 3-D shapes, using their properties</p>																																																
		<table border="1"> <thead> <tr> <th></th> <th>Week 1</th> <th>Week 2</th> <th>Week 3</th> <th>Week 4</th> <th>Week 5</th> <th>Week 6</th> <th>Week 7</th> <th>Week 8</th> <th>Week 9</th> <th>Week 10</th> <th>Week 11</th> <th>Week 12</th> </tr> </thead> <tbody> <tr> <th>Autumn</th> <td colspan="2">Number: Place Value</td> <td colspan="5">Number: Addition and Subtraction</td> <td colspan="2">Measurement: Money</td> <td colspan="1">Number: Multiplication and Division</td> <td colspan="2">Consolidation</td> </tr> <tr> <th>Spring</th> <td colspan="3">Number: Multiplication and Division</td> <td colspan="2">Statistics</td> <td colspan="2">Geometry: Properties of Shape</td> <td colspan="4">Number: Fractions</td> </tr> <tr> <th>Summer</th> <td colspan="1">Measurement: Length and Height</td> <td colspan="1">Geometry: Position and Direction</td> <td colspan="2">Consolidation and problem solving</td> <td colspan="1">Measurement: Time</td> <td colspan="3">Measurement: Mass, Capacity and Temperature</td> <td colspan="2">Consolidation</td> </tr> </tbody> </table>				Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Autumn	Number: Place Value		Number: Addition and Subtraction					Measurement: Money		Number: Multiplication and Division	Consolidation		Spring	Number: Multiplication and Division			Statistics		Geometry: Properties of Shape		Number: Fractions				Summer	Measurement: Length and Height	Geometry: Position and Direction	Consolidation and problem solving		Measurement: Time	Measurement: Mass, Capacity and Temperature			Consolidation
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<b>YEAR 7 – Mr Duncan</b>	<p><b>Addition and Subtraction</b> Adding and subtracting, up to 3 digits, with borrowing and carrying.</p> <p><b>Number topics</b> Factors, ratio, percentage of a number. decimals</p> <p><b>Multiplication and Division</b> Multiplying and dividing up to 3 digit numbers by one digit. With remainders. Times table practise.</p> <p><b>Fractions</b> Basic fractions followed by equivalent fractions. Adding and subtracting fractions with the same denominator. Fraction of a number.</p> <p><b>Measures</b> Measuring and drawing angles. Properties of 2D shapes. Converting metric units</p> <p><b>Statistics</b> Bar graphs, drawing and interpreting. Averages.</p>	<p><b>Number and Place Value</b> Using place value to compare numbers and solve problems.</p> <p><b>Properties of Shape</b> -Recognise, name, sort and describe properties of common 2D and 3D shapes and draw common 2D shapes -</p> <p><b>Fractions</b> Revise previous work and extend to adding and subtracting fractions with different denominators.</p> <p><b>Measures</b> Use varied vocabulary (long/short/heavy light/full/empty/quick/slow/early/late) Measure and record capacity, length, weight and time</p> <p><b>Algebra</b> Collecting terms Multiplying terms Expanding a bracket.</p>	<p><b>Number and Place Value</b> Using place value to compare numbers and solve problems.</p> <p><b>Addition and Subtraction</b> Adding and subtracting, up to 3 digits, with borrowing and carrying.</p> <p><b>Multiplication and Division</b> Multiplying and dividing up to 3 digit numbers by one digit. With remainders. Times table practise.</p> <p><b>Measures</b> Comparison of metric units and Imperial. Use varied vocabulary (long/short/heavy light/full/empty/quick/slow/early/late) Measure and record capacity, length, weight and time</p> <p><b>Algebra</b> Collecting terms Multiplying terms Expanding a bracket. Solving simple equations.</p>	<p>Students fluent in using 4 rules of arithmetic.</p> <p>Recall of basic number skills eg. Fraction of a number. Percentage of a number. Dividing in a ratio.</p> <p>Fraction skills up to and including adding and subtracting fractions with different denominators.</p> <p>Basic algebra skills.</p> <p>Awareness of conversion of metric and Imperial units.</p> <p>Knowledge of properties of basic shapes.</p> <p>Understanding of basic statistics.</p>