# Year 2/3 – Autumn Term

| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Number – Place Value<br>Count in steps of 2, 3 and 5 from 0 and in tens from any number, forward and backward.<br>**Count from 0 in multiples of 4, 8,  50 and 100**<br><br>Read and write numbers to at least 100 in numerals and words.<br>**Read and write numbers up to 1,000 in numerals and in words.**<br><br>Recognise the place value of each digit in a two digit number (tens, ones)<br>**Recognise the place value of each digit in a 3-digit number.**<br><br>Identify, represent and estimate numbers to 100 using different representations including the number line.<br>**Identify, represent and estimate numbers using different representations.**<br><br>Compare and order numbers from 0 up to 100; use <, > and = signs.<br>**Order and compare numbers to 1000.**<br><br>**Find 10 or 100 more or less than a given number.**<br><br>Use place value and number facts to solve problems.<br>**Solve number problems and practical problems involving these ideas.** | | | Number – Addition and Subtraction<br>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.<br><br>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.<br>**Add and subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds.**<br>**Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction**<br><br>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.<br>**Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.**<br><br>Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.<br><br>Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.<br>**Estimate the answer to a calculation and use inverse operations to check answers.** | | | | | Multiplication and Division<br>**Count from 0 in multiples of 4, 8, 50 and 100**<br><br>Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.<br>**Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.**<br><br>Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) sign.<br>**Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.**<br><br>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.<br>**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.** | | | Consolidation |

# Year 2/3 – Spring Term

| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
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| Week 1 Week 2 Week 3 Week 4 | Week 2 Week 3 Week 4 | Week 5 Week 6 | Week 7 Week 8 | Week 9 Week 10 Week 11 | Week 12 |
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| **Number: Multiplication and Division** Recall and use multiplication and division facts for the 2, 5 and 10 times tables,. **Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.** Calculate mathematical statements for multiplication and division and write them using the multiplication (x), division (÷) and equals (=) sign. **Write and calculate mathematical statements for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.** Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts. **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.** | **Measurement: Money** Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value. Find different combinations of coins that equal the same amounts of money. Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change. **Add and subtract amounts of money to give change, using both £ and p in practical contexts.** | **Statistics** Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. **Interpret and present data using bar charts, pictograms and tables.** Ask answer simple questions by counting the number of objects in each category and sorting the categories by quantity. Ask and answer questions about totalling and comparing categorical data. **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.** | **Measurement: Length, Height and Perimeter** Choose and use appropriate standard units to estimate and measure <u>length/height in any direction (m/cm)</u>; mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, <u>using rulers</u>, scales, thermometers and measuring vessels <u>Compare and order lengths</u>, mass, volume/capacity and <u>record the results using >, < and =</u> **<u>Measure, compare, add and subtract: lengths (m/cm/mm)</u>; mass (kg/g); volume/capacity (l/ml).** **Measure the perimeter of simple 2D shapes.** | **Number: Fractions** 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. **Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.** Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$. **Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.** **Recognise and show, using diagrams, equivalent fractions with small denominators.** **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** **Solve problems that involve all of the above.** | Consolidation |

# Year 2/3 – Summer Term

| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 |
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| Geometry: Properties of Shape and Position and Direction<br>Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.<br>**Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.**<br><br>Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.<br>**Recognise 3-D shapes in different orientations and describe them.**<br><br>Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid.]<br>**Draw 2-D shapes and make 3-D shapes using modelling materials.**<br><br>Compare and sort common 2-D and 3-D shapes and everyday objects.<br>**Order and arrange combinations of mathematical objects in patterns and sequences**<br><br>Recognise angles as a property of shape or a description of a turn. 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.<br>**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).** | | | | Year 2: SATS<br>**Year 3: Fractions**<br>**Compare and order unit fractions, and fractions with the same denominators.**<br><br>**Add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$ ]**<br><br>**Solve problems that involve all of the above.** | | Measurement: Time<br>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.<br>**Tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks.**<br>**Estimate and read time with increasing accuracy to the nearest minute.**<br><br>Know the number of minutes in an hour and the number of hours in a day.<br>**Know the number of seconds in a minute and the number of days in each month, year and leap year.**<br><br>Compare and sequence intervals of time.<br>**Record and compare time in terms of seconds, minutes and hours.**<br>**Compare durations of events [for example to calculate the time taken by particular events or tasks].**<br><br>Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight. | | | Measurement: Mass, Capacity and Temperature<br><br>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<br><br>Compare and order lengths, mass, volume/capacity and record the results using >, < and =<br><br>**Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).** | | Investigations |

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