

Year 1

Week	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	Numbers to 10	Number bonds to 10	Addition within 20	Number bonds to 10 and 20	Numbers to 100/Place Value	Numbers to 100/Place Value
2	One more/One less	Numbers to 20/Place Value	Subtraction within 20	Addition within 20 problem solving	Counting in 2s and 10s	Addition and Subtraction
3	Number bonds to 10	Numbers to 20/Place Value	Numbers to 50/Place Value	Subtraction within 20 problem solving	Counting in 5s	Days of the week, months and years
4	Adding within 10	Addition within 20	Numbers to 50/Place Value	Height and Length	Arrays	Time
5	Subtracting within 10	Subtraction within 20	Doubling and Halving	Mass and Weight	Halves and Quarters	Measures - time faster and slower
6	Adding and subtracting within 10	Finding half	Doubling and Halving	Volume and Capacity	Positional Language - positions and turns	Money
7	2D Shapes	3D shapes	Doubling and Halving	Measures	Positional Language - positions and turns	Money

Year 1 Autumn 1

Week	APP statement	Vocabulary
1	Read and write numbers from 1-20 in numerals (Number)	Number Digit Sequence Order Forwards Backwards
2	Given a number, identify one more and one less (Number)	Zero More Less Compare Order Number
3	Represent and use number bonds and related subtraction facts within 10 (Number)  Begin to read, write and interpret mathematical statements involving +, - = signs (Number)*	Number bond Partition Whole Part
4	Represent and use number bonds and related subtraction facts within 10 (Number)  Begin to read, write and interpret mathematical statements involving +, - = signs (Number)*	Add Bigger Altogether Counting on Equals Number sentence
5	Represent and use number bonds and related subtraction facts within 10 (Number)  Begin to read, write and interpret mathematical statements involving +, - = signs (Number)*	Subtract Take away Less Counting back Number fact families
6	Represent and use number bonds and related subtraction facts within 10 (Number)  Begin to read, write and interpret mathematical statements involving +, - = signs (Number)*	Add on Take away Plus Add Subtract
7	Recognise and name 2D shapes including those in different orientations (Geometry)	Shape Circle Square Triangle Rectangle

Year 1 Autumn 2

Week	APP statement	Vocabulary
1	<p>Represent and use number bonds and related subtraction facts within 10 (Number)</p> <p>Begin to read, write and interpret mathematical statements involving +, - = signs (Number)*</p> <p>Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems e.g. <math>7 = ? - 9</math>. (Number)</p>	<p>Add</p> <p>Subtract</p> <p>Problem</p> <p>Solve</p> <p>Equals</p>
2	<p>Begin to represent and use number bonds and related subtraction facts within 20 (Number)</p> <p>Add and subtract one-digit and two-digit numbers to 20 (Number)</p>	<p>Number bond</p> <p>20</p> <p>Add</p> <p>Subtract</p> <p>Solve</p>
3	<p>Begin to represent and use number bonds and related subtraction facts within 20 (Number)</p> <p>Add and subtract one-digit and two-digit numbers to 20 (Number)</p>	<p>Number bond</p> <p>20</p> <p>Add</p> <p>Subtract</p> <p>Solve</p>
4	<p>Begin to represent and use number bonds and related subtraction facts within 20 (Number)</p> <p>Add and subtract one-digit and two-digit numbers to 20 (Number)</p>	<p>Number bond</p> <p>20</p> <p>Add</p> <p>Subtract</p> <p>Solve</p>
5	<p>Begin to represent and use number bonds and related subtraction facts within 20 (Number)</p> <p>Add and subtract one-digit and two-digit numbers to 20 (Number)</p>	<p>Number bond</p> <p>20</p> <p>Add</p> <p>Subtract</p> <p>Solve</p>
6	<p>Recognise, find and name a half as one of two equal parts of an object, shape or quantity (Number)</p>	<p>Whole</p> <p>Half</p> <p>Equal</p> <p>Shape</p> <p>Amount</p> <p>Share</p>
	<p>Recognise and name 3D shapes including those in different orientations (Geometry)</p>	<p>3D</p> <p>Edge</p> <p>Vertices</p> <p>Sort</p> <p>Face</p> <p>Cuboid</p>

Year 1 Spring 1

Week	APP statement	Vocabulary
1	<p>Begin to represent and use number bonds and related subtraction facts within 20 (Number)</p> <p>Add and subtract one-digit and two-digit numbers to 20 (Number)</p>	<p>Number bond 20 Add Subtract Solve</p>
2	<p>Begin to represent and use number bonds and related subtraction facts within 20 (Number)</p> <p>Add and subtract one-digit and two-digit numbers to 20 (Number)</p>	<p>Number bond 20 Add Subtract Solve</p>
3	<p>Count to and across 100 forwards and backwards, beginning with 0 or 1 or from any given number (Number)</p> <p>Count, read and write numbers to 100 in numerals (Number)</p> <p>Begin to understand and show tens and ones and use this to order numbers up to 99 (Number)</p> <p>Identify and represent numbers using objects and pictorial representations including the number line. (Number)</p>	<p>Tens Ones Two digit Place value</p>
4	<p>Count to and across 100 forwards and backwards, beginning with 0 or 1 or from any given number (Number)</p> <p>Count, read and write numbers to 100 in numerals (Number)</p> <p>Begin to understand and show tens and ones and use this to order numbers up to 99 (Number)</p>	<p>Dienes Order Compare Two digit Number pattern</p>
5	<p>Begin to recall doubles and halves to 20 (Number)</p>	<p>Half Double Share Equal Even Fair</p>
6	<p>Begin to recall doubles and halves to 20 (Number)</p>	<p>Half Double Share Equal Even Fair</p>
7	<p>Begin to recall doubles and halves to 20 (Number)</p>	<p>Half Double Share Equal Even Fair</p>

Year 1 Spring 2

Week	APP statement	Vocabulary
1	<p>Represent and use number bonds and related subtraction facts within 10 (Number)</p> <p>Begin to read, write and interpret mathematical statements involving +, - = signs (Number)*</p> <p>Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems e.g. <math>7 = ? - 9</math>. (Number)</p> <p>Begin to represent and use number bonds and related subtraction facts within 20 (Number)</p> <p>Add and subtract one-digit and two-digit numbers to 20 (Number)</p>	<p>Add</p> <p>Subtract</p> <p>Problem</p> <p>Solve</p> <p>Equals</p>
2	<p>Begin to represent and use number bonds and related subtraction facts within 20 (Number)</p> <p>Add and subtract one-digit and two-digit numbers to 20 (Number)</p>	<p>Number bond</p> <p>20</p> <p>Add</p> <p>Subtract</p> <p>Solve</p>
3	<p>Begin to represent and use number bonds and related subtraction facts within 20 (Number)</p> <p>Add and subtract one-digit and two-digit numbers to 20 (Number)</p>	<p>Number bond</p> <p>20</p> <p>Add</p> <p>Subtract</p> <p>Solve</p>
4	<p>Compare, describe and solve practical problems for lengths and heights (Measurement)</p> <p>Measure and begin to record lengths and heights (Measurement)</p>	<p>Height</p> <p>Length</p> <p>Ruler</p> <p>Tall</p> <p>Short</p> <p>Compare</p>
5	<p>Compare, describe and solve practical problems for mass and weight (Measurement)</p> <p>Measure and begin to record mass and weight (Measurement)</p>	<p>Weight</p> <p>Mass</p> <p>Kilogram</p> <p>Gram</p> <p>Scales</p> <p>Equal/balanced</p>
6	<p>Compare, describe and solve practical problems for capacity and volume (Measurement)</p> <p>Measure and begin to record capacity and volume (Measurement)</p>	<p>Volume</p> <p>Capacity</p> <p>Measure</p> <p>Half</p> <p>Quarter</p> <p>Full</p>
7	Measures targets detailed above - consolidation and problem solving	

Year 1 Summer 1		
Week	APP statement	Vocabulary
1	Count to and across 100 forwards and backwards, beginning with 0 or 1 or from any given number (Number)  Count, read and write numbers to 100 in numerals (Number)  Begin to understand and show tens and ones and use this to order numbers up to 99 (Number)  Identify and represent numbers using objects and pictorial representations including the number line. (Number)	Tens Ones Two digit Place value
2	Count in multiples of twos, fives and tens (Number)	Twos Tens Counting Lots of
3	Count in multiples of twos, fives and tens (Number)	Two Five Ten Groups Lots
4	Count in multiples of twos, fives and tens (Number)	Array Groups of Repeated addition
5	Describe position, direction and movement of objects e.g. forwards, backwards etc) (Geometry)*  Sequence events in chronological order using language including 1st, 2nd, 3rd (Measurement)	Ordinal numbers Queue Left Right
6	Describe position, direction and movement of objects e.g. forwards, backwards etc) (Geometry)*  Sequence events in chronological order using language including 1st, 2nd, 3rd (Measurement)	Ordinal numbers Queue Left Right
7	Describe position, direction and movement of objects e.g. forwards, backwards etc) (Geometry)*  Sequence events in chronological order using language including 1st, 2nd, 3rd (Measurement)  Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity (Number) Half	Ordinal numbers Queue Left Right

Year 1 Summer 2

Week	APP statement	Vocabulary
1	<p>Count to and across 100 forwards and backwards, beginning with 0 or 1 or from any given number (Number)</p> <p>Count, read and write numbers to 100 in numerals (Number)</p> <p>Begin to understand and show tens and ones and use this to order numbers up to 99 (Number)</p> <p>Identify and represent numbers using objects and pictorial representations including the number line. (Number)</p>	<p>Tens</p> <p>Ones</p> <p>Two digit</p> <p>Place value</p>
2	<p>Represent and use number bonds and related subtraction facts within 20 (Number)*</p>	<p>Add</p> <p>Subtract</p> <p>Word problem</p> <p>Difference</p> <p>Total</p> <p>Altogether</p>
3	<p>Recognise and use language relating to dates, including days of the week, weeks, months and years (Measurement)</p> <p>Sequence events in chronological order using language including 1st, 2nd, 3rd (Measurement)</p>	<p>Days</p> <p>Year</p> <p>Order</p> <p>Calendar</p> <p>Months</p> <p>Position</p>
4	<p>Tell the time to the hour and draw the hands to show this (Measurement)*</p> <p>Tell the time to half past the hour and draw hands on a clock to show this (Measurement)</p>	<p>Clock</p> <p>O'clock</p> <p>Half past</p> <p>Before</p> <p>After</p> <p>Hand</p>
5	<p>Compare, describe and solve practical problems for time (Measurement)</p> <p>Measure and begin to record time (Measurement)</p>	<p>Minutes</p> <p>Seconds</p> <p>Faster</p> <p>Earlier</p> <p>Later</p>
6	<p>Recognise and know the value of different denominations of coins and notes (Measurement)</p>	<p>Coin</p> <p>Note</p> <p>Pay</p> <p>Change</p> <p>Money</p>
7	<p>Recognise and know the value of different denominations of coins and notes (Measurement)</p>	<p>Coin</p> <p>Note</p> <p>Pay</p> <p>Change</p> <p>Money</p>

**Year 2**

<b>Week</b>	<b>Autumn 1</b>	<b>Autumn 2</b>	<b>Spring 1</b>	<b>Spring 2</b>	<b>Summer 1</b>	<b>Summer 2</b>
1	Number and Place Value	Doubles and Halves	Place Value	Capacity, Temperature and Mass	Place Value	Time
2	Add and Subtract	Multiplication	Money	Capacity, Temperature and Mass	Addition and Subtraction problems	Shape
3	Add and Subtract	Multiplication	Money	Time	Multiplication and Division problems	Measures
4	Add and Subtract	Multiplication and Division	Fractions	Time	Fractions	Capacity
5	Shape	Multiplication and Division	Fractions	Addition and Subtraction	Money	Capacity
6	Shape	Length	Statistics and Data	Addition and Subtraction	Position and Direction	Patterns and Sequences

**Year 2 Autumn 1**

Week	APP statement	Vocabulary
1	<p>Count in steps of 2 and 5 from 0 (Number)</p> <p>Read and write numbers to at least 100 in numerals and words (Number)</p> <p>Partitioning in different ways. (Number) (Expected)</p> <p>I can recognise the place value of each digit in a 2-digit number (Number)</p> <p>Use place value and number facts to solve problems (Number)</p> <p>Identify, represent and estimate numbers using different representations, including the number line (Number) (Expected)</p>	<p>Count</p> <p>Forward</p> <p>Backward</p> <p>Numbers</p> <p>Digit</p> <p>Place value</p>
2	<p>Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100 (Number)</p> <p>Use the language of sum and difference (Number)</p>	<p>Add</p> <p>Subtract</p> <p>Sum</p> <p>Difference</p>
3	<p>Add and subtract numbers using concrete objects, pictorial representations and mentally adding three 1 digit numbers (Number)</p> <p>Add and subtract using concrete objects, pictorial representations and mentally including a 2-digit number and ones (Number)</p> <p>Add and subtract using concrete objects, pictorial representations and mentally including a 2-digit number and tens (Number)</p>	<p>Objects</p> <p>Mental</p> <p>Concrete</p> <p>Pictorial</p> <p>Tens</p> <p>Ones</p>
4	<p>Show that addition can be done in any order (commutative) and subtraction can't (Number)</p> <p>Recognise and use the inverse between addition and subtraction and use this to check calculations and solve missing number problems.</p> <p>Add and subtract numbers using concrete objects, pictorial representations and mentally including 2-digit numbers (Number) (Expected)</p>	<p>Addition</p> <p>Subtraction</p> <p>Missing number</p> <p>Commutative</p>
5	<p>Identify and describe properties of 2D shapes including number of sides and line symmetry in a vertical line (Geometry) (Expected)</p> <p>Name, compare and sort common 2D and everyday objects (Geometry) (Expected)</p>	<p>Shape</p> <p>2 dimensional</p> <p>Symmetry</p> <p>Sides</p> <p>Horizontal</p> <p>Vertical</p>
6	<p>Identify and describe properties of 3D shapes including edges, vertices and faces (Geometry) (Expected)</p> <p>Identify 2D shapes on the surface of 3D shapes (Geometry)</p> <p>Name, compare and sort common 3D shapes and everyday objects (Geometry) (Expected)</p>	<p>3D shape</p> <p>Edge</p> <p>Face</p> <p>Vertices</p> <p>Surface</p>

Year 2 Autumn 2

Week	APP statement	Vocabulary
1	Recall doubles and halves to 20 (Number)	Double Half Share
2	Count in steps of 3 from 0 forwards and backwards (Number) Count in 10s from any number forwards and backwards (Number)*	Count Forwards backwards
3	Recall doubles and halves to 20 (Number) Recall and use multiplication and division facts for the numbers 2, 5, and 10 x tables including recognising odd and even (Number) (Expected)	Doubles Halves Multiply Divide Even Odd
4	Calculate mathematical statements for multiplication and division within the multiplication tables. Write these statements using $\times$ $\div$ Use materials, arrays, repeated addition (Number) Show that multiplication can be done in any order (commutative) but division can not (Number)	Times Divide Share Array Repeated addition
5	Solve problems involving multiplication and division using materials, arrays, repeated addition, mental methods and multiplication and division facts. I can solve problems in context. (Number) (Expected)	Divide How many? Equal Answer
6	Compare and order lengths using $\lt$ $\gt$ $=$ (Measures) * Choose and use appropriate standard units to estimate and measure length and height (m/cm) to the nearest appropriate unit, using rulers. (Measures)*	Order Compare Lengths More than/less than

**Year 2 Spring 1**

Week	APP statement	Vocabulary
1	<p>Recall all number bonds to and within 10 and use these to reason with and calculate bonds to and within 20, recognising other associated additive relationships e.g. <math>7+3 = 10</math> then <math>17+3=20</math>; if <math>7-3=4</math> then <math>17-3= 14</math> leading to if <math>14+3 = 17</math> then <math>3 + 14 = 17</math>, <math>17-14-3</math> and <math>17-3 = 14</math>)</p> <p>Compare and order numbers from 0 up to 100. Use <math>&lt; &gt; =</math> signs (Number)</p>	<p>Number bonds Calculate Answer Additive Compare Order</p>
2	<p>Recognise and use symbols for pounds and pence and combine amounts to make a particular value (Measures)</p> <p>Find different combinations of coins that equal the same amounts of money (Measures) (Expected)</p>	<p>Pounds Pence Equal Amount</p>
3	<p>Recognise and use symbols for pounds and pence and combine amounts to make a particular value (Measures)</p> <p>Find different combinations of coins that equal the same amounts of money (Measures) (Expected)</p>	<p>Change Value Pay Money</p>
4	<p>Recognise, find, name and write fractions (<math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math>, <math>\frac{3}{4}</math>) of a length, shapes, sets of objects or quantities (Number) (Expected)</p> <p>Write simple fractions e.g. <math>\frac{1}{2}</math> of <math>6=3</math> and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math> (Number)</p>	<p>Equal Equivalent Quantity Object Share</p>
5	<p>Recognise, find, name and write fractions (<math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math>, <math>\frac{3}{4}</math>) of a length, shapes, sets of objects or quantities (Number) (Expected)</p> <p>Write simple fractions e.g. <math>\frac{1}{2}</math> of <math>6=3</math> and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math> (Number)</p>	<p>Equal Equivalent Quantity Object Share</p>
6	<p>Interpret and construct simple pictograms and tally charts (Statistics)</p> <p>Answer questions about data (Statistics)</p> <p>Interpret and construct simple block diagrams and simple tables (Stats)</p> <p>Ask questions about data (Statistics)</p>	<p>Pictogram Picture Tally Chart Data Diagram</p>

**Year 2 Spring 2**

Week	APP statement	Vocabulary
1	<p>Choose and use appropriate standard units to estimate and measure capacity (ml/l) to the nearest appropriate unit, using measuring vessels. (Measures)</p> <p>Compare and order capacity, mass and temperatures using <math>\lt\gt\=</math> (Measures)</p> <p>Read scales in divisions of ones, twos, fives and tens. (Expected)*</p>	<p>Measure</p> <p>Capacity</p> <p>Litre</p> <p>Millilitre</p> <p>Vessel</p> <p>Scale</p> <p>Grams</p>
2	<p>Choose and use appropriate standard units to estimate and measure capacity (ml/l) to the nearest appropriate unit, using measuring vessels. (Measures)</p> <p>Compare and order capacity, mass and temperatures using <math>\lt\gt\=</math> (Measures)</p> <p>Read scales in divisions of ones, twos, fives and tens. (Expected)*</p>	<p>Measure</p> <p>Capacity</p> <p>Litre</p> <p>Millilitre</p> <p>Vessel</p> <p>Scale</p> <p>Kilograms</p>
3	<p>Tell, write and draw the time including quarter to and quarter past (Measures) * (Expected)</p> <p>Compare and sequence intervals of time (Measures)</p> <p>Know the number of minutes in an hour and hours in a day (Measures)</p> <p>Tell, write and draw the time to the nearest 5 minutes (Measures) (Greater Depth)</p>	<p>Quarter to</p> <p>Quarter past</p> <p>Time</p> <p>Interval</p> <p>Compare</p> <p>Sequence</p> <p>Minutes</p>
4	<p>Tell, write and draw the time including quarter to and quarter past (Measures) * (Expected)</p> <p>Compare and sequence intervals of time (Measures)</p> <p>Know the number of minutes in an hour and hours in a day (Measures)</p> <p>Tell, write and draw the time to the nearest 5 minutes (Measures) (Greater Depth)</p>	<p>Quarter to</p> <p>Quarter past</p> <p>Time</p> <p>Interval</p> <p>Compare</p> <p>Sequence</p> <p>Minutes</p>
5	<p>Solve problems with addition and subtraction using concrete objects and pictorial representations including those involving numbers, quantities and measures (Number)</p> <p>Solve problems with addition and subtraction applying my increasing knowledge of mental and written methods (Number)</p>	<p>Add</p> <p>Subtract</p> <p>Problem solving</p> <p>Reasoning</p> <p>Answer</p>
6	<p>Solve problems with addition and subtraction using concrete objects and pictorial representations including those involving numbers, quantities and measures (Number)</p> <p>Solve problems with addition and subtraction applying my increasing knowledge of mental and written methods (Number)</p>	<p>Add</p> <p>Subtract</p> <p>Problem solving</p> <p>Reasoning</p> <p>Answer</p>

**Year 2 Summer 1**

Week	APP statement	Vocabulary
1	<p>Recall all number bonds to and within 10 and use these to reason with and calculate bonds to and within 20, recognising other associated additive relationships e.g. <math>7+3 = 10</math> then <math>17+3=20</math>; if <math>7-3=4</math> then <math>17-3= 14</math> leading to if <math>14+3 = 17</math> then <math>3 + 14 = 17</math>, <math>17-14-3</math> and <math>17-3 = 14</math>)</p> <p>Compare and order numbers from 0 up to 100. Use <math>&lt; &gt; =</math> signs (Number)</p>	<p>Number bonds Place value Additive</p>
2	<p>Solve problems with addition and subtraction using concrete objects and pictorial representations including those involving numbers, quantities and measures (Number)</p> <p>Solve problems with addition and subtraction applying my increasing knowledge of mental and written methods (Number)</p>	<p>Addition Subtraction Quantity Measure Number</p>
3	<p>Solve problems involving multiplication and division using materials, arrays, repeated addition, mental methods and multiplication and division facts. I can solve problems in context. (Number) (Expected)</p>	<p>Array Shape Rows Columns</p>
4	<p>Recognise, find, name and write fractions (<math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math>, <math>\frac{3}{4}</math>) of a length, shapes, sets of objects or quantities (Number) (Expected)</p> <p>Write simple fractions e.g. <math>\frac{1}{2}</math> of <math>6=3</math> and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math> (Number)</p>	<p>Fraction Shape Length Object Quantity</p>
5	<p>Recognise and use symbols for pounds and pence and combine amounts to make a particular value (Measures)</p> <p>Find different combinations of coins that equal the same amounts of money (Measures) (Expected)</p>	<p>Symbol £ Pounds Pence</p>
6	<p>Use mathematical language to describe position, direction, movement including movement in a straight line. Distinguish between rotation as a turn and in terms of right angles for <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math> and <math>\frac{3}{4}</math> turns (Geometry)</p>	<p>Position Direction Straight Movement Angle</p>

**Year 2 Summer 2**

Week	APP statement	Vocabulary
1	<p>Tell, write and draw the time including quarter to and quarter past (Measures) * (Expected)</p> <p>Compare and sequence intervals of time (Measures)</p> <p>Know the number of minutes in an hour and hours in a day (Measures)</p> <p>Tell, write and draw the time to the nearest 5 minutes (Measures) (Greater Depth)</p>	<p>Quarter to</p> <p>Quarter past</p> <p>Time</p> <p>Interval</p> <p>Compare</p> <p>Sequence</p> <p>Minutes</p>
2	<p>Identify and describe properties of 2D shapes including number of sides and line symmetry in a vertical line (Geometry) (Expected)</p> <p>Name, compare and sort common 2D and everyday objects (Geometry) (Expected)</p> <p>Identify and describe properties of 3D shapes including edges, vertices and faces (Geometry) (Expected)</p> <p>Identify 2D shapes on the surface of 3D shapes (Geometry)</p> <p>Name, compare and sort common 3D shapes and everyday objects (Geometry) (Expected)</p>	<p>Symmetry</p> <p>Horizontal</p> <p>Vertical</p> <p>Edge</p> <p>Vertices</p> <p>Face</p>
3	<p>Compare and order lengths using <math>\lt\geq</math> (Measures) *</p> <p>Choose and use appropriate standard units to estimate and measure length and height (m/cm) to the nearest appropriate unit, using rulers. (Measures)*</p>	<p>Compare</p> <p>More than</p> <p>Less than</p> <p>Equal</p>
4	<p>Choose and use appropriate standard units to estimate and measure capacity (ml/l) to the nearest appropriate unit, using measuring vessels. (Measures)</p> <p>Compare and order capacity and temperatures using <math>\lt\geq</math> (Measures)</p> <p>Read scales in divisions of ones, twos, fives and tens. (Expected)*</p>	<p>Capacity</p> <p>Container</p> <p>Measure</p> <p>Jug</p> <p>Scale</p> <p>Unit</p>
5	<p>Choose and use appropriate standard units to estimate and measure capacity (ml/l) to the nearest appropriate unit, using measuring vessels. (Measures)</p> <p>Compare and order capacity and temperatures using <math>\lt\geq</math> (Measures)</p> <p>Read scales in divisions of ones, twos, fives and tens. (Expected)*</p>	<p>Millilitre</p> <p>Litre</p> <p>Bottle</p> <p>Compare</p> <p>Order</p> <p>Appropriate</p>
6	<p>Order and arrange combinations of mathematical objects in patterns and sequences (Geometry)</p>	<p>Pattern</p> <p>Sequence</p> <p>Recurring</p>

Year 3

Week	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	Place Value	Addition and Subtraction problem solving	Bar Charts and Pictograms	Fractions	Place Value	Pictograms
2	Place Value	Missing Number problems	Lines (horizontal, vertical, parallel and perpendicular) 2D and 3D shapes	Fractions	Angles	Problem solving linked to data
3	Addition and Inverse	Time	Perimeter	Measures	Angles	Time
4	Subtraction and Inverse	Time	Multiplication and division times tables then leading to short multiplication	Addition	Length	Time
5	Money, Shape and measure (Y2 recap)	Time	Multiplication and Division - missing number problems	Subtraction	Mass	Money
6	3 and 4 times table	8 times table	Money	Multiplication	Capacity	Times Tables

Year 3 Autumn 1		
Week	APP statement	Vocabulary
1	Find 10 or 100 more or less than a given number (Number) Recognise the place value of each digit in a 3-digit number (Number) Compare and order numbers to 1000 (Number) Read and write numbers up to 1000 in numerals and words (Number)	100 100 More Less Place value Digit
2	Identify, represent and estimate numbers using different representations (Number) Solve number problems and practical problems including place value of numbers (Number)	Identify Estimate Represent Problem solving
3	Add and subtract numbers mentally, including 3-digit in ones, tens and hundreds (Number) Add and subtract numbers with up to 3-digits, using formal written methods of column addition and subtraction (Number) Add and subtract numbers mentally, including 3-digit in ones, tens and hundreds (Number) Estimate the answer to a calculation and use the inverse operation to check answers (Number)	Add Subtract Mental Ones Tens Hundreds Inverse Reverse
4	Add and subtract numbers mentally, including 3-digit in ones, tens and hundreds (Number) Add and subtract numbers with up to 3-digits, using formal written methods of column addition and subtraction (Number) Add and subtract numbers mentally, including 3-digit in ones, tens and hundreds (Number) Estimate the answer to a calculation and use the inverse operation to check answers (Number)	Add Subtract Mental Ones Tens Hundreds Inverse Reverse
5	<b>See year 2 targets for Shape, Space and Measure in Year 2 overview</b>	
6	Count from 0 in multiples of 4, 8, 50 and 100 (Number) Recall and use multiplication and division facts for 3 and 4 x tables (Number)*	Multiple Multiply Divide Inverse

**Year 3 Autumn 2**

Week	APP statement	Vocabulary
1	Solve problems, including missing number problems, using number facts place value and more complex addition and subtraction (Number)	Place value Addition Subtraction Steps RUCSAC
2	Solve problems, including missing number problems, using number facts place value and more complex addition and subtraction (Number)	Missing number One step Two step
3	Read the time to the nearest 5 minutes (Measures) Tell and write the time from an analogue clock. Use Roman numerals from 1 to X11 and 12-hour and 24-hour clocks (Measures)	Time Clock Analogue Digital
4	Know the number of seconds in a minute and the days in each month, year and leap year (Measures) Compare durations of events e.g. calculate time taken by particular events or tasks (Measures)	Hours Seconds Minutes Month Year Leap year
5	Estimate and read time with increasing accuracy to the nearest minute. Record and compare time in terms of seconds, minutes and hours and use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight (Measures)	AM PM Afternoon Morning
6	Recall and use multiplication and division facts for the 8 times table (Number)	Eight Array Multiple Lots of divide

**Year 3 Spring 1**

Week	APP statement	Vocabulary
1	Interpret and present data using bar charts, pictograms and tables (Statistics)	Bar chart Pictogram Table Picture Represent Interpret Data Scale Information
2	Measure the perimeter of simple 2D shapes (Measures)	Square Triangle Rectangle Perimeter Measure Centimetre
3	Write and calculate statements for multiplication and division using the multiplication tables that are known. These include 2-digit numbers times 1-digit numbers using efficient mental methods then progressing to formal written methods. (Number)	Multiplication Division Six digit Number
4	Solve problems including missing number problems, involving multiplication and division. These include positive integer scaling problems and correspondence problems in which n objects are connected to m objects (Number)	Integer Scaling Scale N M
5	Identify horizontal and vertical lines and pairs of perpendicular and parallel lines (Geometry)	Parallel Perpendicular Horizontal Vertical
6	Add and subtract amounts of money to give change using both pounds and pence in practical contexts (Measures)	Money Change Pounds Pence

**Year 3 Spring 2**

Week	APP statement	Vocabulary
1	<p>Recognise and show, using diagrams, equivalent fractions with small denominators (Number)</p> <p>Count up and down in tenths. Recognise that tenths arise from dividing an object into 10 equal parts and from dividing 1-digit numbers or quantities by 10 (Number)</p>	<p>Unit</p> <p>Non-unit</p> <p>Common denominator</p> <p>Fraction</p> <p>Share</p> <p>Whole</p>
2	<p>Add and subtract fractions with the same denominator within one whole (Number)</p> <p>Recognise and use fractions as numbers, including unit fractions and non-unit fractions with small denominators to solve problems (Number)</p> <p>Compare and order unit fractions and fractions with the same denominators (Number)</p>	<p>Part</p> <p>Equivalent</p> <p>Numerator</p> <p>Denominator</p> <p>Divide</p> <p>Tenths</p> <p>Hundredths</p>
3	<p>Measure, compare and add and subtract using lengths (m, cm, mm) (Measures)*</p>	<p>Metre</p> <p>Centimetre</p> <p>Millimetre</p>
4	<p>Add and subtract numbers mentally, including 3-digit in ones, tens and hundreds (Number)</p> <p>Add and subtract numbers with up to 3-digits, using formal written methods of column addition and subtraction (Number)</p> <p>Add and subtract numbers mentally, including 3-digit in ones, tens and hundreds (Number)</p>	<p>Add</p> <p>Subtract</p> <p>Mental</p> <p>Written</p> <p>Columnar</p>
5	<p>Add and subtract numbers mentally, including 3-digit in ones, tens and hundreds (Number)</p> <p>Add and subtract numbers with up to 3-digits, using formal written methods of column addition and subtraction (Number)</p> <p>Add and subtract numbers mentally, including 3-digit in ones, tens and hundreds (Number)</p>	<p>3 digit</p> <p>Tens</p> <p>Ones</p> <p>Hundreds</p> <p>Formal</p> <p>Method</p>
6	<p>Write and calculate statements for multiplication and division using the multiplication tables that are known. These include 2-digit numbers times 1-digit numbers using efficient mental methods then progressing to formal written methods. (Number)</p>	<p>Multiply</p> <p>Divide</p> <p>3 digit</p> <p>1 digit</p>

**Year 3 Summer 1**

Week	APP statement	Vocabulary
1	Find 10 or 100 more or less than a given number (Number) Recognise the place value of each digit in a 3-digit number (Number) Compare and order numbers to 1000 (Number) Read and write numbers up to 1000 in numerals and words (Number)	100 more 100 less 10 more 10 less Order Compare Numerals
2	Recognise right angles and that 2 right angles make a half turn, 3 make a $\frac{3}{4}$ turn and 4 make a whole turn (Geometry)	Right angles Half turn Quarter turn Three quarter turn Whole turn
3	Identify whether angles are greater than or less than a right angle and use appropriate vocabulary (Geometry)	Angle Greater Less Right angle
4	Measure, compare, add and subtract using lengths and mass (Kg/g) (Measures)	Add Subtract Length Centimetre Metre
5	Measure, compare, add and subtract using lengths and mass (Kg/g) (Measures)	Measure Compare Kilogram Gram Convert
6	Measure, compare, add and subtract using lengths, mass and volume/capacity (l/ml) (Measures)	Measure Compare Capacity Volume Litre Millilitre

**Year 3 Summer 2**

Week	APP statement	Vocabulary
1	Interpret and present data using bar charts, pictograms and tables (Statistics)	Interpret Data Scale Information
2	Solve one-step and two-step questions e.g How many more? How many fewer? using information presented in scaled bar charts, pictograms and tables (Statistics)	More Fewer Scaled chart Tables
3	Read the time to the nearest 5 minutes (Measures) Tell and write the time from an analogue clock. Use Roman numerals from 1 to X11 and 12-hour and 24-hour clocks (Measures)	Digital Analogue 12 hour 24 hour
4	Read the time to the nearest 5 minutes (Measures) Tell and write the time from an analogue clock. Use Roman numerals from 1 to X11 and 12-hour and 24-hour clocks (Measures)	Digital Analogue 12 hour 24 hour
5	Add and subtract amounts of money to give change using both pounds and pence in practical contexts (Measures)	Money Coin Denomination Pounds and pence
6	Recall and use multiplication and division facts for the 8 times table (Number)	Multiply Divide Array Lots of

Year 4

Week	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	Place Value	Perimeter	Times Tables and Place Value	Money	Multiplication and Division	Fractions
2	Rounding	Multiplication	Division	Money	Symmetry	Multiply and Divide by 10, 100 and 1000
3	Rounding	Multiplication	Tenths and Hundredths	Multiply and Divide by 10, 100 and 1000	Integer Scaling	Shapes
4	Addition	Time	Fractions (equivalence)	Multiply and Divide by 10, 100 and 1000	Angles and Triangles	Movements on Coordinate grid
5	Subtraction	Time	Fractions (of quantities)	Graphs	Roman Numerals	Converting Time
6	Addition/Subtraction word problems	Measures	Decimal equivalents	Coordinates	Addition and Subtraction problem solving	Time problems

Year 4 Autumn 1

Week	APP statement	Vocabulary
1	Recognise the place value of each digit in a 4-digit number. (Number) Identify, represent and estimate numbers using different representations. (Number) Find 10, 100, 1000 more or less than a given number. (Number) Order and compare numbers beyond 1000. (Number) Count backwards through zero to include negative numbers. (Number)	Place value Tens Hundreds Thousands More less
2	Round any number to the nearest 10, 100, 1000. (Number)	Round Nearest
3	Round any number to the nearest 10, 100, 1000. (Number)	Closest Place value Digit
4	Add and subtract numbers with up to 4 digits using the formal written methods or column addition and subtraction where appropriate. (Number)	Addition Add More Place value Thousands
5	Add and subtract numbers with up to 4 digits using the formal written methods or column addition and subtraction where appropriate. (Number) Estimate and use inverse operations to check answers to calculations. (Number)	Subtract Take away Inverse Check Answer
6	Solve number and practical problems with increasingly large positive numbers including using mental methods to aid fluency (Number) Solve addition and subtraction 2 step problems in contexts, deciding which operations and methods to use and why. (Number)	Solve Problem Mental Practical Context

Year 4 Autumn 2

Week	APP statement	Vocabulary
1	Measure and calculate the perimeter of a rectilinear figure (including squares) in cm and m. (Measures)	Perimeter Measure Calculate Rectilinear
2	Count in multiples of 6, 7, 9, 25 and 100. (Number) Recall multiplication and division facts for multiplication tables up to 12x12. (Number) Solve problems involving multiplying and adding, including using the distributive law to multiply 2-digit numbers by 1-digit.	Multiple Tables Distributive law
3	Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout. (Number) Use place value and known and derived facts to multiply and divide mentally, including multiplying by 0 and 1, dividing and multiplying together three numbers. (Number) Recognise and use factor pairs and commutativity in mental calculations. (Number)	Multiply Layout Place value Mental Commutative
4	Solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days. (Measures)	Convert Hours Minutes Seconds Years
5	Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value. (Number)	Roman numerals V VI X D
6	Convert between different units of measure e.g. km to m, hour to min, l to ml (Measures)	Convert Measure Kilometre Metre Hour Minute

Year 4 Spring 1

Week	APP statement	Vocabulary
1	Recall multiplication and division facts for multiplication tables up to 12x12. (Number) Recognise and use factor pairs and commutativity in mental calculations. (Number)	Commutative Multiply Times tables Factor pairs
2	Begin to use a formal method to divide 2- and 3-digit numbers by a 1-digit number (Number) Use place value and known and derived facts to multiply and divide mentally, including multiplying by 0 and 1, dividing and multiplying together three numbers. (Number)	Division Bus stop Mentally
3	Count up and down in hundredths and recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. (Number)	Tenths Hundredths Thousandths
4	Recognise and show, using diagrams, families of common equivalent fractions. (Number) Add and subtract fractions with the same denominator. (Number)	Equivalent Equal Fraction Denominator Numerator
5	Solve problems which involve increasingly harder fractions to calculate quantities. Use fractions to divide quantities, including non-unit fractions where the answer is a whole number. (Number) Solve simple measure and money problems involving fractions and decimals to two decimal places. (Number)	Part Whole Unit Non-unit Decimal places
6	Recognise and write decimal equivalents to quarter, half and thirds. (Number) Recognise and write decimal equivalents of any number of tenths or hundredths. (Number) Compare numbers with the same number of decimal places up to two decimal places. (Number) Round decimals with one decimal place to the nearest whole number. (Number)	Quarter Half Third Decimal Equivalent Whole number

Year 4 Spring 2

Week	APP statement	Vocabulary
1	Estimate, compare and calculate different measures, including money in pounds and pence. (Measures) Solve simple measure and money problems involving fractions and decimals to two decimal places. (Number)	Money Pounds Pence Fractions Decimals
2	Estimate, compare and calculate different measures, including money in pounds and pence. (Measures) Solve simple measure and money problems involving fractions and decimals to two decimal places. (Number)	Estimate Compare Calculate
3	Find the effect of dividing a 1 or 2-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. (Number)	Divide Ones Ten Hundred
4	Find the effect of dividing a 1 or 2-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. (Number)	Multiply Place value chart Value
5	Interpret and present discrete and continuous data using appropriate graphical methods including bar charts and time graphs. (Statistics) Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs. (Statistics)	Discrete Continuous Graph Bar chart Time graph Line graph
6	Describe positions on a 2D grid as coordinates in the first quadrant. (Geometry) Describe movements between positions as translations of a given unit to the left or right and up or down. (Geometry) Plot specified points and draw sides to complete a given polygon. (Geometry)	Coordinate First quadrant Translation Left Right Up/down

Year 4 Summer 1

Week	APP statement	Vocabulary
1	<p>Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout. (Number)</p> <p>Use place value and known and derived facts to multiply and divide mentally, including multiplying by 0 and 1, dividing and multiplying together three numbers. (Number)</p> <p>Recognise and use factor pairs and commutativity in mental calculations. (Number)</p>	<p>Multiply</p> <p>Layout</p> <p>Mental</p> <p>Factor pairs</p> <p>commutative</p>
2	<p>Complete a simple symmetric figure with respect to a specific line of symmetry. (Geometry)</p> <p>Identify lines of symmetry in 2D shapes presented in different orientations. (Geometry)</p>	<p>Symmetry</p> <p>Same</p> <p>2D shape</p> <p>Orientation</p>
3	<p>Solve problems involving integer scaling problems and harder correspondence problems such as n objects are connected to m objects. (Number)</p>	<p>Integer</p> <p>Scale</p> <p>Correspondence</p> <p>N</p>
4	<p>Identify acute and obtuse angles and compare and order angles up to 2 right angles by size (Geometry)</p> <p>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. (Geometry)</p>	<p>Acute</p> <p>Obtuse</p> <p>Right angle</p> <p>Compare</p> <p>Order</p> <p>quadrilateral</p>
5	<p>Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value. (Number)</p>	<p>Roman numerals</p> <p>Zero</p> <p>Place value</p> <p>System</p>
6	<p>Count backwards through zero to include negative numbers. (Number)</p>	<p>Zero</p> <p>Negative</p> <p>Backward</p> <p>Forward</p>

**Year 4 Summer 2**

Week	APP statement	Vocabulary
1	<p>Recognise and show, using diagrams, families of common equivalent fractions. (Number)</p> <p>Add and subtract fractions with the same denominator. (Number)</p> <p>Solve problems which involve increasingly harder fractions to calculate quantities. Use fractions to divide quantities, including non-unit fractions where the answer is a whole number. (Number)</p> <p>Solve simple measure and money problems involving fractions and decimals to two decimal places. (Number)</p>	<p>Equivalent</p> <p>Common</p> <p>Fraction families</p> <p>Quantities</p> <p>Unit</p> <p>Non-unit</p>
2	<p>Find the effect of dividing a 1 or 2-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. (Number)</p>	<p>Ones</p> <p>Tenths</p> <p>Hundredths</p> <p>Decimal point</p>
3	<p>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. (Geometry)</p>	<p>Shape</p> <p>Geometric</p> <p>Quadrilateral</p> <p>Triangles</p>
4	<p>Describe positions on a 2D grid as coordinates in the first quadrant. (Geometry)</p> <p>Describe movements between positions as translations of a given unit to the left or right and up or down. (Geometry)</p>	<p>Coordinates</p> <p>First quadrant</p> <p>Translation</p>
5	<p>Solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days. (Measures)</p>	<p>Hours</p> <p>Minutes</p> <p>Seconds</p> <p>Years</p> <p>Months</p> <p>Weeks</p> <p>Days</p>
6	<p>Read, write and convert time between 12 hour and 24 hour times on a digital clock. (Measures)</p>	<p>12 hour</p> <p>24 hour</p> <p>Digital</p> <p>Analogue</p>

**Year 5**

<b>Week</b>	<b>Autumn 1</b>	<b>Autumn 2</b>	<b>Spring 1</b>	<b>Spring 2</b>	<b>Summer 1</b>	<b>Summer 2</b>
1	Place Value	Fractions	Place Value (including Rounding)  Negative Numbers	Division	Measures	Percentages
2	Rounding	Fractions  2 x lessons Roman Numerals	Multiplication - long and short	Factors, Multiples and Primes	Metric and Imperial	Volume
3	Addition and Subtraction	Perimeter and Area	Multiplication - long and short	3D Shapes	Angles around a point	Regular and Irregular polygons
4	Multiplication	Square and Cube numbers	Equivalent Fractions	Angles	Reflection	Place Value
5	2D Shapes including Area and Perimeter recap	Angles	Fractions, Decimals and Percentages	Measures	Fractions, Decimals and Percentages	Multiplication
6	Multiplying and dividing by 10, 100 and 1000	Timetables	Converting between units	Time and Statistics	Fractions, Decimals and Percentages	Division

**Areas of Maths covered in Starters/other areas**  
**Autumn - coordinates covered in Geography**  
**Statistics and Data - covered in Geography**

**Year 5 Autumn 1**

Week	APP statement	
1	<p>Read, write, order and compare number to at least 1,000, 000 and determine the value of each digit. (Number)</p> <p>Count forwards and backwards in steps of powers of 10 for any given number up to 1, 000, 000. (Number)</p>	<p>Read</p> <p>Write</p> <p>Order</p> <p>Compare</p> <p>1,000,000</p>
2	<p>Round any number up to 1, 000, 000 to the nearest 10, 100, 1000, 10,000 and 100,000. (Number)</p> <p>Use rounding to check answers to calculations and determine in the context of a problems, levels of accuracy. (Number)</p>	<p>Round</p> <p>Calculate</p> <p>Accurate estimate</p>
3	<p>Add and subtract numbers mentally with increasingly large numbers. (Number)</p> <p>Add and subtract whole numbers with more than 4 digits, including using formal written methods. (Number)</p> <p>Solve problems involving addition, subtraction, multiplication and division and a combination of these. Understand the meaning of the equals sign. (Number)</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. (Number)</p>	<p>Add</p> <p>Subtract</p> <p>Place value</p> <p>Column</p> <p>Context</p> <p>Problem solving</p>
4	<p>Add and subtract numbers mentally with increasingly large numbers. (Number)</p> <p>Add and subtract whole numbers with more than 4 digits, including using formal written methods. (Number)</p> <p>Solve problems involving addition, subtraction, multiplication and division and a combination of these. Understand the meaning of the equals sign. (Number)</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. (Number)</p>	<p>Subtract</p> <p>Take away</p> <p>Inverse</p> <p>Equals</p> <p>Answer</p>
5	<p>Identify 3D shapes, including cubes and other cuboids, from 2D representations. (Geometry)</p>	<p>Edge</p> <p>Face</p> <p>Vertices</p> <p>Edges</p> <p>Nets</p>
6	<p>Multiply and divide numbers mentally drawing upon known facts. (Number)</p> <p>Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000. (Number)</p> <p>Convert between different units of metric measure (e.g. km and m, cm and m, cm and mm, g and kg, l and ml) (Measures)</p>	<p>Multiply</p> <p>Divide</p> <p>Decimal</p> <p>10, 100 and 1000</p> <p>Metric measure</p>

Year 5 Autumn 2

Week	APP statement	
1	<p>Compare and order fractions whose denominators are all multiples of the same number. (Number)</p> <p>Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. (Number)</p> <p>Read and write decimal numbers as fractions. (Number)</p>	<p>Compare</p> <p>Order</p> <p>Denominator</p> <p>Numerator</p> <p>Multiple</p> <p>Equivalent</p> <p>Tenths</p> <p>Hundredths</p>
2	<p>Compare and order fractions whose denominators are all multiples of the same number. (Number)</p> <p>Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. (Number)</p> <p>Read and write decimal numbers as fractions. (Number)</p> <p>Read Roman numerals to 1000 (M) and recognise years written in Roman numerals. (Number)</p>	<p><b>Vocab as above and to include:</b></p> <p>Roman numerals</p> <p>I</p> <p>V</p> <p>X</p> <p>D</p> <p>C</p>
3	<p>Measure and calculate the perimeter of composite rectilinear shapes in cm and m. (Measures)</p> <p>Calculate and compare the area of rectangles (including squares) and use standard units including square cm and square metres.</p> <p>Estimate the area of irregular shapes. (Measures)</p>	<p>Measure</p> <p>Calculate</p> <p>Perimeter</p> <p>Composite</p> <p>Rectilinear</p> <p>Squares</p>
4	<p>Recognise and use square numbers and cube numbers. Recognise the notation for squared and cubed. (Number)</p>	<p>Square numbers</p> <p>Cube numbers</p> <p>2</p> <p>3</p>
5	<p>Know angles are measured in degrees. Estimate and compare acute, obtuse and reflex angles. (Geometry)</p>	<p>Angle</p> <p>Obtuse</p> <p>Acute</p> <p>Reflex</p> <p>Degree</p> <p>Protractor</p>
6	<p>Complete, read and interpret information in tables, including timetables. (Statistics)</p>	<p>Complete</p> <p>Read</p> <p>Interpret</p> <p>Tables</p> <p>Timetables</p>

**Spring 1**

Week	APP statement	
1	Interpret negative numbers in context. Count forwards and backwards with positive and negative whole numbers, including through zero. (Number)	Negative Minus Forward Backward Whole
2	Solve problems involving multiplication and division including using my knowledge of factors and multiples, squares and cubes. (Number) Multiply numbers up to 4 digits by a one or two-digit number using a formal written method, including long multiplication for two-digit numbers. (Number) Solve problems involving multiplication and division including scaling by simple fractions and problems involving simple rates. (Number)	Multiply Divide Square Cube Short Long Multiplication
3	Solve problems involving multiplication and division including using my knowledge of factors and multiples, squares and cubes. (Number) Multiply numbers up to 4 digits by a one or two-digit number using a formal written method, including long multiplication for two-digit numbers. (Number) Solve problems involving multiplication and division including scaling by simple fractions and problems involving simple rates. (Number)	Digit Share Inverse Problem solving
4	Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements $>1$ as a mixed number. (Number) Add and subtract fractions with the same denominator and denominators that are multiples of the same number. (Number)	Mixed numbers Improper fractions Convert More than Less than
5	Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. (Number) Read, write, order and compare numbers with up to 3 decimal places. (Number) Recognise % symbol and understand that % relates to 'number of parts per hundred'. Write percentages as a fraction with the denominator 100 and as a decimal. (Number)	Denominator Numerator Decimal place Percentages
6	Convert between different units of metric measure (e.g. km and m, cm and m, cm and mm, g and kg, l and ml) (Measures)	Measure Kilometre Metre Centimetre Convert

**Spring 2**

Week	APP statement	
1	Divide numbers up to 4 digits by a one-digit number using the formal written methods of short division. Interpret remainders appropriately for the context. (Number) Solve problems involving addition, subtraction, multiplication and division and a combination of these. Understand the meaning of the equals sign. (Number)	Divide Short division Bus stop Remainders Fractions Decimals
2	Identify multiples and factors, including finding all factor pairs of a number and common factors of two numbers. (Number) Know and use the vocabulary of prime numbers, prime factors and composite numbers. Establish whether a number up to 100 is prime and recall prime numbers up to 19. (Number)	Multiple Factor Prime Common Factor pair Prime
3	Identify 3D shapes, including cubes and other cuboids, from 2D representations. (Geometry)	Edge Face Vertices Edges Nets
4	Know angles are measured in degrees. Estimate and compare acute, obtuse and reflex angles. (Geometry)	Angle Estimate Compare Acute Obtuse Reflex
5	Convert between different units of metric measure (e.g. km and m, cm and m, cm and mm, g and kg, l and ml) (Measures)	Metric measure Km and m Cm and m Cm and mm G and kg L and ml
6	Solve problems involving converting between units of time. (Measures)	Converting Units of time Seconds Minutes Hours

**Summer 1**

Week	APP statement	
1	Measure and draw lines to the nearest mm. (Measures) Use all four operations to solve problems involving measures (length, mass, volume and money) using decimal notation including scaling. (Measures)	Measure Mm Length Mass Volume Money
2	Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints. (Measures)	Metric Imperial Pints Miles Pounds
3	Draw given angles and measure them in degrees using correct markings of an angle. (Geometry) Identify angles at a point and one whole turn (360 degrees), a half turn (180 degrees) and a quarter turn (90 degrees). (Geometry)	Degree Angle Whole turn Point Half turn
4	Use the properties of shapes to deduce related facts and find missing lengths and angles. (Geometry)	Missing lengths Missing angle Horizontal Vertical
5	Use the properties of shapes to deduce related facts and find missing lengths and angles. (Geometry)	Lengths Angles Related lengths
6	Identify, describe and represent the position of a shape following a reflection or translation. Use appropriate language and know that the shape has not changed. (Geometry)	Identify Describe Represent Position Reflection Translation

Summer 2		
Week	APP statement	
1	Find fractions of quantities (Number)	Fractions
2	Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. (Number) Solve problems involving numbers up to three decimal places. (Number) Round decimals with two decimal places to the nearest whole number and to one decimal place. (Number) Solve problems which require knowing % and decimal equivalents of half, quarters, fifth, two fifths and four fifths and those fractions with a denominator of a multiple of 10 and 25. (Number)	Quantities Mixed number Whole number Decimal place Percentages
3	Estimate volume e.g. using 1 cm <sup>3</sup> blocks to build cuboids (including cubes). Estimate capacity e.g. using water. (Measures)	Cuboids Volume Capacity Centimetres
4	Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. (Geometry)	Regular Irregular Polygon Equal sides Angles
5	Solve problems involving multiplication and division including using my knowledge of factors and multiples, squares and cubes. (Number) Multiply numbers up to 4 digits by a one or two-digit number using a formal written method, including long multiplication for two-digit numbers. (Number) Solve problems involving multiplication and division including scaling by simple fractions and problems involving simple rates. (Number)	Squares Cubes Multiply Digit Scaling
6	Divide numbers up to 4 digits by a one-digit number using the formal written methods of short division. Interpret remainders appropriately for the context. (Number) Solve problems involving addition, subtraction, multiplication and division and a combination of these. Understand the meaning of the equals sign. (Number)	Addition Subtraction Multiplication Division Equals Answer

Year 6						
Week	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1	Place Value	Division	Place Value <b>Including negative numbers and sequences</b>	Ratio	Place Value	Shapes
2	Rounding recap	Fractions	Measures	Fractions	Rounding	Ratio and Proportion
3	Addition	Fractions	Measures	Fractions and Decimals	Ratio and Proportion	Multiplying decimals
4	Subtraction	Fractions	Shape	Percentages including pie charts	Negative Numbers	Revision
5	Multiplication	Coordinates-Translation	Money recap	Problem solving including: <b>Money, 2 step subtraction and Short Division</b>	Algebra	Revision
6	Long Multiplication	Shape	Algebra	Long Division	Averages	Revision
7	Pictograms	Algebra				

Spring term - should include problem solving and calculations that involve the use of BODMAS

Year 6 Autumn 1		
Week	APP statement	
1	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit. Round any whole number to a required degree of accuracy. Identify common factors, common multiples and prime numbers.	Read Write Order Compare Round Factor Multiple Prime
2	<b>Refer to targets on Rounding from Year 5</b> Round any number up to 1, 000, 000 to the nearest 10, 100, 1000, 10,000 and 100,000. (Number) Use rounding to check answers to calculations and determine in the context of a problems, levels of accuracy. (Number)	Round Calculate Accurate estimate
3	Perform mental calculations including using mixed operations and large numbers. Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. Solve problems involving addition, subtraction, multiplication and division including multi-step problems. Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.	Mental Written Addition Subtraction Operations Multi-step
4	Perform mental calculations including using mixed operations and large numbers. Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. Solve problems involving addition, subtraction, multiplication and division including multi-step problems. Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.	Accurate Check Inverse Estimate Rounding
5	Multiply multi-digit numbers up to 4 digits by a two digit number using the formal written method of long multiplication. Perform mental calculations including using mixed operations and large numbers.	Multiply Column Row Place value
6	Multiply multi-digit numbers up to 4 digits by a two digit number using the formal written method of long multiplication. Perform mental calculations including using mixed operations and large numbers.	Placeholder Zero Tens Hundreds Thousands
7	<b>Year 4 target - recap here</b> Interpret and present discrete and continuous data using appropriate graphical methods including bar charts and time graphs. (Statistics) Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs. (Statistics)	Discrete Continuous Graph Bar chart Time graph Line graph

Year 6 Autumn 2		
Week	APP statement	
1	Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division. Interpret remainders as whole number remainders, fractions or by rounding as appropriate for the context.	Long division Multiply Groups Column Remainder
2	Use common factors to simplify fractions. Use common multiples to express fractions in the same denomination. Compare and order fractions including fractions $>1$	Common factor Simplify Multiple Compare and order
3	Add and subtraction fractions with different denominators and mixed numbers, using the concept of equivalent fractions. Multiply simple pairs of proper fractions, writing the answer in its simplest form.	Simplest form Lowest common factor
4	Use common factors to simplify fractions. Use common multiples to express fractions in the same denomination. Compare and order fractions including fractions $>1$	Common factor Simplify Multiple Compare and order
5	Describe positions on the full coordinate grid and state missing coordinates of 2D shapes. Draw and translate simple shapes on the coordinate plane and reflect them in the axes.	Coordinate Quadrant Reflection Translation
6	Draw 2D shapes using given dimensions and angles. Recognise, describe and build simple 3D shapes including making nets.	Dimensional Net 3D 2D Angles
7	Use simple formulae using symbols and letters. Generate and describe linear number sequences. Express missing number problems algebraically. Find pairs of numbers that satisfy an equation with two unknowns. Enumerate possibilities of combinations of two variables.	Formulae Symbol Letter Linear Equation Variable

Spring 1		
Week	APP statement	
1	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit. Round any whole number to a required degree of accuracy. Identify common factors, common multiples and prime numbers.	Order Compare Millions Accuracy rounding
2	Solve problems involving the calculation and conversion of units of measure. Use decimal notation up to 3 decimal places where appropriate. Use, read, write and convert between standard units. Convert measurements of length, mass, volume and time from a smaller unit of measure to a larger unit and vice versa. Use decimal notation up to three decimal places. Convert between miles and kilometres. Recognise that shapes with the same areas can have different perimeters and vice versa. Recognise when it is possible to use formulae for area and volume of shapes. Calculate the area of parallelograms and triangles. Can calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres and cubic metres extending to other units.	Calculate Convert 3 decimal places Standard units Perimeter Area Missing lengths Parallelogram Triangle
3		
4	Compare and classify geometric shapes based on their properties and sizes. Find unknown angles in any triangles, quadrilaterals and regular polygons. Calculate the area of parallelograms and triangles.	Triangle Quadrilaterals Polygons Parallelogram
5	<b>Year 5 Target</b> <b>Use all four operations to solve problems involving measures (length, mass, volume and money) using decimal notation including scaling. (Measures)</b>	Money Pounds Pence
6	Use simple formulae using symbols and letters. Generate and describe linear number sequences. Express missing number problems algebraically. Find pairs of numbers that satisfy an equation with two unknowns. Enumerate possibilities of combinations of two variables.	Formulae Symbols Letters Linear Missing number

Spring 2		
Week	APP statement	
1	<p>Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.</p> <p>Solve problems involving similar shapes where the scale factor is known or can be found.</p> <p>Solve problems involving unequal sharing and grouping, using knowledge of fractions and multiples.</p>	<p>Interfer</p> <p>Ratio</p> <p>Proportion</p> <p>Scale factor</p> <p>Grouping</p> <p>Factor</p> <p>Multiple</p>
2	<p>Divide proper fractions by whole numbers.</p> <p>Associate a fraction with division and calculate decimal fraction equivalents.</p> <p>Identify the value of each digit in numbers given to three decimal places. Multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places.</p>	<p>Divide</p> <p>Fractions</p> <p>Whole numbers</p> <p>Digit</p> <p>Multiply</p> <p>Decimal places</p>
3	<p>Multiply one-digit numbers with up to two decimal places by whole numbers.</p> <p>Use written division methods in cases where the answer has up to two decimal places.</p>	<p>Decimal places</p> <p>Whole numbers</p> <p>Written</p> <p>Mental</p>
4	<p>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</p> <p>Calculate percentages of amounts.</p> <p>Interpret and construct pie charts and line graphs and use these to solve problems.</p> <p>Calculate duration of events using timetables and programmes.</p>	<p>Equivalent</p> <p>Fractions</p> <p>Percentages</p> <p>Amounts</p> <p>Pie chart</p> <p>Line graph</p> <p>Timetable</p>
5	<p>Perform mental calculations including using mixed operations and large numbers.</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p> <p>Solve problems involving addition, subtraction, multiplication and division including multi-step problems.</p> <p>Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</p>	<p>Accurate</p> <p>Check</p> <p>Inverse</p> <p>Estimate</p> <p>Rounding</p>
6	<p>Perform mental calculations including using mixed operations and large numbers.</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p> <p>Solve problems involving addition, subtraction, multiplication and division including multi-step problems.</p> <p>Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</p>	<p>Accurate</p> <p>Check</p> <p>Inverse</p> <p>Estimate</p> <p>Rounding</p>

Summer 1		
Week	APP statement	
1	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit. Round any whole number to a required degree of accuracy. Identify common factors, common multiples and prime numbers.	Value Digit Accurate Prime numbers
2	Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit. Round any whole number to a required degree of accuracy. Identify common factors, common multiples and prime numbers.	Multiples Common multiples Factors Factor pairs
3	Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts. Solve problems involving similar shapes where the scale factor is known or can be found. Solve problems involving unequal sharing and grouping, using knowledge of fractions and multiples.	Interfer Ratio Proportion Scale factor Grouping Factor Multiple
4	Use negative numbers in context and calculate intervals across zero.	Negative Minus Subtract Numberline Intervals
5	Use simple formulae using symbols and letters. Generate and describe linear number sequences. Express missing number problems algebraically. Find pairs of numbers that satisfy an equation with two unknowns. Enumerate possibilities of combinations of two variables.	Formulae Symbols Letters Linear Missing number
6	Calculate and interpret the mean as an average.	Mean Median Mode Average

Summer 2		
Week	APP statement	
1	<p>Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.</p> <p>Recognise that angles, where they meet at a point, are on a straight line or are vertically opposite. Find missing angles.</p>	Radius Diameter Circumference Vertical Horizontal
2	<p>Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.</p> <p>Solve problems involving similar shapes where the scale factor is known or can be found.</p> <p>Solve problems involving unequal sharing and grouping, using knowledge of fractions and multiples.</p>	Interfer Ratio Proportion Scale factor Grouping Factor Multiple
3	<p>Multiply one-digit numbers with up to two decimal places by whole numbers.</p>	Multiply Decimal Whole number
4	<p>Interpret and construct pie charts and line graphs and use these to solve problems.</p> <p>Calculate duration of events using timetables and programmes.</p>	Pie chart Line graph Timetable
5	<p>Solve number and practical problems that involve all of the above.</p>	Revision
6	<p>Solve number and practical problems that involve all of the above.</p>	Revision