



Domain	Autumn
NPV Addition and subtraction	<ul style="list-style-type: none"> • Y2: Add and subtract numbers using concrete objects, pictorial representations and mentally including: a 2-digit number and ones; a 2-digit number and tens; two 2-digit numbers; adding three 1-digit numbers. • Y2: Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems. • Y2: Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 • Y2: Compare and order numbers from zero up to 100; using $<$, $>$ and $=$ signs • Y2: Read and write numbers to at least 100 in numerals and in words inc: • Add and subtract numbers mentally including a 3-digit number and ones and a 3-digit number and hundreds • Recognise the place value of each digit in the 3-digit number (hundreds, tens and ones) Up to 1000 • Identify, represent and estimate numbers using different representations particularly including number-lines • Find 10 or 100 more or less than a given number • Estimate the answer to a calculation and use inverse operations to check answers • Solve number problems, including missing number problems using number facts
Measurement (money and length) Addition and subtraction	<ul style="list-style-type: none"> • Y2: Find different combinations of coins that equal the same amounts of money • Know $100p = \text{£}1$; $2 \times 50p = \text{£}1$; $10 \times 10p = \text{£}1$; $5 \times 20p = \text{£}1$; $20 \times 5p = \text{£}1$; $50 \times 2p = \text{£}1$; relate to multiplication facts/ repeated addition in the context of money. • Relate above key number facts to parts of 1 metre/ 100 cm eg $2 \times 50\text{cm} = 1\text{m}$ etc • Use known and derived facts to work out change from $\text{£}1$ (100p) • Record addition and subtraction money calculations using pictorial representations such as a number-line and bar-models • Y2: Choose and use appropriate standard units to estimate and measure length / height in any direction (m / cm); to the nearest appropriate unit, using rulers • Add and subtract amounts of money to give change using both £ and p in practical contexts • Measure, compare, add and subtract length (m / cm) • Measure the perimeter of simple 2-D shapes
Multiplication and division	<ul style="list-style-type: none"> • Represent multiplication and division facts as arrays using a grid (rather than dots) and a numberline • Y2: Solve problems involving multiplication and division using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts • Y2 Recall and use multiplication and division facts for the 2,5,and 10 multiplication tables, including recognising odd and even numbers • Y2: Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x) , division (\div) and equals (=) signs

	<ul style="list-style-type: none"> • Y2: Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot • Count in multiples of 3 and 4 from zero. • Derive, recall and use multiplication and division facts for 3 and 4 multiplication tables • Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, using mental strategies • Solve problems including missing number problems involving multiplication and division, recording solutions with a range of representations to include number-lines, barmodels and arrays.
Fractions/Geometry	<ul style="list-style-type: none"> • Count in halves, quarters and thirds on a numberline. • Y2: Recognise, find, name and write fractions of a length, shape, set of objects or quantity • Y2: Write simple fractions e.g. $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ • Sort and classify using different diagrams (Carroll diagrams, Venn diagrams, decision trees). • Sort and classify using properties such as symmetry; faces, edges and vertices. • Y2: Recognise and name common 2-D shapes, including squares, circles, rectangles and triangles • Y2: Recognise and name 3-D shapes, including cuboids, pyramids and spheres. • Y2: Describe position, directions and movements including half, quarter and three-quarter turns. • Recognise, find and write fractions of a discrete set of objects: unit fractions (include $\frac{1}{10}$) • Compare and order fractions with the same denominators (show on a bar-model) • Count up and down in tenths; recognise that tenths arise from dividing an object into ten equal parts. • Draw 2-D shapes and make 3-D shapes using modelling materials (include simple nets) • Identify right angles • Identify horizontal and vertical lines.
NPV Addition and subtraction Statistics	<ul style="list-style-type: none"> • Know that there are 10mm in 1 cm; 100cm in 1m; 1000mm in 1m • Derive associated facts: 50cm in $\frac{1}{2}$ m, 25cm in $\frac{1}{4}$m and 75cm in $\frac{3}{4}$ m • Know that there are 1000g = 1 kg and derive associated facts: 500g = $\frac{1}{2}$ kg ; 250 g = $\frac{1}{4}$ kg ; 750 g = $\frac{3}{4}$ kg; 100g = $\frac{1}{10}$ kg • Y2: Compare and sequence intervals of time • Y2: Tell and write the time to 5 minutes, including quarter past/to the hour and draw the hands on a clock face to show these times. • Y2: Know the number of minutes in an hour and the number of hours in a day. • Measure and compare lengths (mm/cm/m) • Measure and compare mass (g/kg) • Count up and down in tenths; recognising that tenths arise from dividing an object into ten equal parts. • Recognise the place value of each digit in a 3-digit number (100s, 10s and ones) • Find 10 or 100 more or less than a given number • Tell and write the time from an analogue clock (12-hour). • Use vocabulary such as am/pm, morning, afternoon, noon and midnight. • Solve number and practical problems involving these ideas.