

Bloxham Year 3 Yearly Overview

Term 1	
Strand	Key Learning
Mental addition and subtraction	<ul style="list-style-type: none"> • use multiple of 5 and 10 bonds to 100 to solve additions and subtractions • add and subtract 1-digit numbers to and from 2-digit numbers
Number and place value Mental addition and subtraction	<ul style="list-style-type: none"> • understand place value in 2 and 3 digit numbers • compare and order 2- and 3- digit numbers • count on and back in 10s and 1s • add and subtract 2-digit numbers
Number and place value Mental multiplication and division	<ul style="list-style-type: none"> • know multiplication and division facts for the 5, 10, 2, 4 and 3x tables • doubling and halving
Number and place value Mental addition and subtraction	<ul style="list-style-type: none"> • compare, order and understand place value of 2- and 3-digit numbers • subtract from 2- and 3-digit numbers • using prediction to estimate calculations
Term 2	
Strand	Key Learning
Mental multiplication and division Fractions: ratio and proportion	<ul style="list-style-type: none"> • Double and halve numbers up to 100 using partitioning • understand fractions and fractions of numbers
Mental addition and subtraction Measurement	<ul style="list-style-type: none"> • use money to add and subtract and record using the correct notation and place value • add and subtract 2-digit numbers using partitioning • add three 2-digit numbers by partitioning and recombining
Number and place value Mental addition and subtraction	<ul style="list-style-type: none"> • place 2- and 3-digit numbers on a number line • round 3-digit numbers to nearest 100 • use counting up to do mental subtractions with answers between 10 and 20, 10 and 30, and either side of 100
Mental addition and subtraction Mental multiplication and division	<ul style="list-style-type: none"> • revise times-tables learned and derive division facts • perform division with remainders • choose a mental strategy to solve additions and subtractions • solve word problems

Term 3	
Strand	Key learning
Number and place value Mental addition and subtraction	<ul style="list-style-type: none"> rehearse place value in 3-digit numbers, order them on a number line and find a number in between compare number sentences solve additions and subtractions using place value multiply and divide by 10 (whole number answers) count in steps of 10, 50 and 100
Mental addition and subtraction Number and place value Mental multiplication and division	<ul style="list-style-type: none"> add pairs of 2-digit numbers using partitioning (crossing 10s, 100 or both) and then extend to add two 3-digit numbers (not crossing 1000) recognise and sort multiples of 2, 3, 4, 5, and 10 double the 4 times table to find the 8 times table derive division facts for the 8 times table multiply and divide by 4 by doubling or halving twice
Fractions: ratio and proportion	<ul style="list-style-type: none"> identify $\frac{1}{2}$s, $\frac{1}{3}$s, $\frac{1}{4}$s, $\frac{1}{6}$s, and $\frac{1}{8}$s realise how many of each make a whole find equivalent fractions place fractions on a 0 to 1 line find fractions of amounts
Number and place value Mental addition and subtraction Measurement	<ul style="list-style-type: none"> place 3-digit numbers on empty 100 number lines begin to place 3-digit numbers on 0-1000 number lines round 3-digit numbers to the nearest ten and hundred use counting up as a strategy to perform mental subtraction subtract pounds and pence from five pounds use counting up (Frog) as a strategy of amounts of money subtract pounds and pence from ten pounds
Term 4	
Strand	Key learning
Number and place value Written addition and subtraction	<ul style="list-style-type: none"> understand place-value in 3-digit numbers separate 3-digit numbers into hundreds, tens, and ones add two 3-digit numbers using vertical written addition add 2- and 3- digit numbers using vertical written addition
Mental addition and subtraction	<ul style="list-style-type: none"> add two 2-digit numbers mentally add 2-digit to 3-digit numbers mentally add two 3-digit numbers using expanded written method begin to move tens and hundreds add two 3-digit numbers using expanded column addition investigate patterns in numbers when adding them choose to solve addition using a mental method or expanded column
Number and place value Mental add and subtract	<ul style="list-style-type: none"> order 3-digit numbers and find numbers between solve subtractions of 3-digit - 3-digit numbers use counting up and counting back as strategies choose to solve a given subtraction by counting up or back
Mental multiplication and division	<ul style="list-style-type: none"> double and halve numbers up to 100 by partitioning solve word problems involving doubling and halving multiply numbers between 10 and 25 by 1-digit numbers using the grid method divide multiples of 10 by 1-digit numbers using tables facts see the relation between multiplication and division

Term 5	
Strand	Key learning
Mental addition and subtraction Fractions, ratio and proportion	<ul style="list-style-type: none"> add 3-digit and 1-digit numbers mentally, using number facts solve 3-digit number subtract 1-digit number subtractions mentally using number facts add and subtract multiples of ten by counting on and back in tens and using number facts to cross 100s compare and order fractions with the same denominator begin to recognise equivalences of $\frac{1}{2}$ add and subtract fractions with the same denominator
Multiplication and division	<ul style="list-style-type: none"> use function machines to multiply by 2, 3, 4, 5 and 8 and see the inverse use scaling to multiply heights and weights by 2, 4, 8, 5 and 10 use known facts to multiply multiples of 10 by 2, 3, 4 and 5 multiply numbers between 10 and 30 by 2, 3, 4 and 5 using the grid method multiply 2-digit numbers by 3, 4, 5 and 8 using the grid method
Multiplication and division	<ul style="list-style-type: none"> divide without remainders, just beyond the 12th multiple division using chunking, with remainders use the grid method to multiply 2-digit numbers by 3, 4, 5 and 8 begin to estimate products
Addition and subtraction	<ul style="list-style-type: none"> add 3-digit and 2-digit numbers using mental strategies add two 3-digit numbers using mental strategies or by using column written addition
Term 6	
Strand	Key learning
Addition and subtraction	<ul style="list-style-type: none"> use column addition to add three 2 and 3-digit numbers together and four 2 and 3-digit numbers together subtract 3-digit numbers using counting up (Frog) with answers under 50 and then under 70 solve word problems choosing an appropriate method
Addition and subtraction Measurement	<ul style="list-style-type: none"> add 3-digit numbers using column addition solve problems involving measure solve subtractions of 3-digit numbers using counting up on a line (Frog) choose an appropriate strategy to solve addition or subtraction (either mentally, using column addition or counting up on a number line)
Multiplication and division Fractions	<ul style="list-style-type: none"> use the grid method to multiply 2-digit numbers by 3, 4, 5, 6 and 8 estimate products divide using chunking, with and without remainders solve word problems, first deciding whether they need multiplication or division to solve them recognise tenths and equivalent fractions find one tenth of multiples of ten, find several tenths of multiples of ten, find one tenth of 1-digit numbers
Addition and subtraction Measurement Written multiplication and division	<ul style="list-style-type: none"> revise column written addition for adding three 3-digit numbers revise mental strategies for addition revise written subtraction (Frog) find change using counting up check subtractions using addition multiply numbers between 10 and 25 by 1-digit numbers using the grid method solve division problems just above the tables facts

Themed strands that are linked to other subjects

Measurement	<ul style="list-style-type: none"> • know and understand the calendar, including days, weeks, months, years • tell the time to the nearest 5 minutes on analogue and digital clocks • know the properties of 3D shapes.
Measurement	<ul style="list-style-type: none"> • choose an appropriate instrument to measure a length and use a ruler to estimate, measure and draw to the nearest centimetre • know 1 litre = 1000 ml <p>estimate and measure capacity in millilitres</p>
Shape	<ul style="list-style-type: none"> • recognise right angles and know they are 90° • understand angles are measured in degrees • recognise $^\circ$ as the symbol for the measurement of degrees • name and list simple properties of 2D shapes • begin to understand and use the term perimeter to mean the length/distance around the edge (border) of a 2D shape • begin to calculate using a ruler • know a right angle is a quarter turn • know 360° is a full turn <p>begin to understand angles and identify size of angles in relation to 90°</p>
Measurement	<ul style="list-style-type: none"> • tell the time to the nearest minute on analogue and digital clocks (minutes past and minutes to) • time events in minutes and seconds • find a time after a given interval (not crossing the hour) • calculate time intervals • solve word problems involving time
Measurement Statistics	<ul style="list-style-type: none"> • draw and interpret bar graphs and pictograms where one square/symbol represents two units • draw tally charts • compare and measure weights in multiples of 100g • know how many grams are in a kilogram • estimate and weigh objects to the nearest 100g • draw and interpret bar graphs where one square represents one hundred units
Place-value: Measurement: Shape:	<ul style="list-style-type: none"> • identify, name and draw: angles in 2D shapes and horizontal, vertical, parallel and perpendicular lines • identify horizontal, vertical, parallel, perpendicular and diagonal lines in 2D shapes • identify symmetry in 2D shapes • measure the perimeter of 2D shapes, including the use of counting and of measuring using a ruler • tell the time on analogue and digital clocks to the nearest minute • begin to tell time 5/10/20 minutes later • begin to recognise am and pm • tell the time on analogue and digital clocks to the nearest 5 minutes, begin to tell the time to the minute • begin to recognise 24 hour clock times