

Maths Yearly Overview

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	Autumn 1 (8weeks) 1.1	Autumn 2 (7 weeks) 1.2	Spring 1 (6 weeks) 2.1	Spring 2 (6 weeks) 2.2	Summer 1 (5 weeks) 3.1	Summer 2 (7 weeks) 3.2
Week 1	<p>Number - Place Value Unit 1 4A Whole Numbers</p> <p>Maths meetings: Count in 25, 50 and 100 Recap – doubling and halving up to 1000 X table recall and practise daily</p> <p>NC objectives Recognise the place value of each digit in a 4 digit number</p> <p>Order & compare numbers beyond 1000</p> <p>Find 1000 more/less than a given number</p> <p>4NPV–1 Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100.</p>	<p>Measurement – Length & Perimeter Unit 11 3B Length, mass and volume</p> <p>Maths meetings: Count in multiples of 6,7,9 Round numbers to the nearest 10 and 100.</p> <p>NC Objectives: Convert between different units of measure</p> <p>Estimate, compare and calculate between different measures,</p>	<p>Number – Multiplication and Division Unit 3 4A Whole numbers (3) (Unit 9 3A – mental calculations)</p> <p>Maths meetings: Recap: basic place value. Counting: including re-grouping. X table recall and practise daily</p> <p>NC Objectives: Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers</p>	<p>Number – Decimals Unit 9 4B Decimals</p> <p>Maths meetings: Counting: up and down in 100s from different numbers (34, 134, 234). X table recall and practise daily Operations: PV of a digit including decimals.</p> <p>NC Objectives: Recognise and write decimal equivalents of any number of tenths or hundredths.</p> <p>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p>	<p>Measurement – Money Unit 10 3B Money</p> <p>Maths meetings: Recap: mathematical terms (more, less, greater, smaller, ascending, descending). X table recall and practise daily</p> <p>NC Objectives: Estimate, compare and calculate different measures, including money in pounds and pence.</p> <p>Solve simple measure and money problems involving fractions and decimals to two decimal places. Eg: $\frac{1}{2}$ of £5 is £2.50</p>	<p>Geometry – Properties of Shape Unit 8 4A Squares and rectangles</p> <p>Unit 7 4A Perpendicular and parallel lines</p> <p>Maths meetings: Count in multiples of 6,7,9 Reasoning including decimals. X table recall and practise daily</p> <p>NC Objectives: Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</p> <p>4G–2 Identify regular polygons, including equilateral triangles and squares, as those in which the side-</p>

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						lengths are equal and the angles are equal.
Week 2	<p>Number - Place Value Unit 2 4A Whole numbers</p> <p>Maths meetings: Counting 1000 more /less Recap – Continue doubling and halving X table recall and practise daily</p> <p>Reasoning – problem involving doubling and halving</p> <p>NC Objectives: Round any number to the nearest 10, 100 or 1000</p> <p>Identify, represent & estimate numbers using different representations</p> <p>Estimate and use inverse operations to check answers to calculations.</p> <p>4NPV–2 Recognise the place value of each digit in four-digit numbers, and compose and decompose four-digit numbers using standard</p>	<p>Measurement – Length & Perimeter Unit 18 3B Area and Perimeter Unit 12 4b Area and Perimeter</p> <p>Maths meetings: Counting: up and down in 100s from different numbers (34, 134, 234). Calculate perimeter of rectangles/squares</p> <p>NC Objectives: Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</p> <p>4G–2 Find the perimeter of regular and irregular polygons.</p>	<p>Measurement – Area Unit 18 3B Area and Perimeter Unit 12 4b Area and Perimeter</p> <p>Maths meetings: Counting: up and down in 100s from different numbers (34, 134, 234). Calculate perimeter of rectangles/squares</p> <p>Find the area of rectilinear shapes by counting squares.</p>	<p>Number – Decimals Unit 7 5B Decimals (15-23)</p> <p>Maths meetings: X table recall and practise daily Reasoning: decimals and fractions (are they correct). Recap: matching fractions with decimals.</p> <p>NC Objectives: Find the effect of dividing a one or two-digit number by 10 and 100, identifying the values of the digits in the answer as ones, tenths and hundredths</p>	<p>Measurement – Time Unit 15 3B Time Unit 11 4B Time</p> <p>Maths meetings: Count in 25, 50 and 100 Number of days in a month/year/week. Identify 2D and 3D shapes</p> <p>NC Objectives: Convert between different units of measure (second – minutes – hour)</p> <p>Read write and convert time between analogue and digital 12 and 24-hour clocks</p>	<p>Geometry – Properties of Shape Unit 6 4B Angles</p> <p>Maths meetings: Count in 5s and 10s from an odd number (3, 6, 9 etc). Write numbers to 1000 in words X table recall and practise daily</p> <p>NC Objectives: Identify acute and obtuse angles up to two right angles by size</p> <p>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</p>

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	<p>and nonstandard partitioning</p> <p>4NPV-3 Reason about the location of any fourdigit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each.</p> <p>4NPV-4 Divide 1,000 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2, 4, 5 and 10 equal parts.</p>					
<p>Week 3</p>	<p>Number – Addition and Subtraction Unit 2 3A Addition of numbers within 10000</p> <p>Maths meetings: X table recall and practise daily Count in multiples of 6,7,9 Reasoning including place value.</p> <p>NC Objectives: Solve number and practical problems that</p>	<p>Number – Multiplication and Division Recap Unit 6 3A multiplication Unit 3 4A Whole numbers (3)</p> <p>Maths meetings: X table recall and practise daily Recall doubling and halving Recall place value as reasoning</p> <p>NC Objectives:</p>	<p>Number – Fractions Unit 14 3B Fractions</p> <p>Maths meetings: X table recall and practise daily Recap: Rounding to 10 and 100 (up to 5 digit numbers) Counting: in 5s and 10s from an odd number (3, 6, 9 etc).</p> <p>NC Objectives: Recognise and show, using diagrams,</p>	<p>Number – Decimals Unit 10 4B Decimals</p> <p>Maths meetings: Recap: rounding of whole numbers Recap: Place value of negative and positive numbers. X table recall and practise daily Reasoning: equivalent fractions.</p> <p>NC Objectives: Compare numbers with the same number</p>	<p>Measurement – Time Unit 15 3B Time Unit 11 4B Time</p> <p>Maths meetings: Counting: in 5s and 10s from an odd number (3, 6, 9 etc). 1000 more/less Place Value of a digit including decimals.</p> <p>NC Objectives: Solve problems involving converting hours to minutes;</p>	<p>Geometry – Properties of Shape Unit 13 4B Symmetry</p> <p>Maths meetings: Count in multiples of 6,7,9 Roman numerals</p> <p>NC Objectives: Identify lines of symmetry in 2-D shapes presented in different orientations.</p>

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	<p>involve all of the above and with increasingly large positive numbers</p> <p>Add numbers with up to 4 digits using the formal written methods of columnar addition.</p>	<p>Multiply two-digit and three-digit numbers by a one-digit number using formal written layout</p> <p>Recall multiplication and division fact for multiplication tables up to 12x12</p> <p>4NF–1 Recall multiplication and division facts up to , and recognise products in multiplication tables as multiples of the corresponding number.</p> <p>4MD–1 Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size.</p>	<p>families of common equivalent fractions.</p>	<p>of decimal places up to two decimal places.</p> <p>Round decimals with one decimal place to the nearest whole number.</p> <p>Recognise and write equivalent fractions to $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$</p>	<p>minutes to seconds; years to months and weeks to days</p> <p>Estimate, compare and calculate different measures, including money in pounds and pence.</p>	<p>Complete a simple symmetric figure with respect to a line of symmetry.</p> <p>4G–3 Identify line symmetry in 2D shapes presented in different orientations. Reflect shapes in a line of symmetry and complete a symmetric figure or pattern with respect to a specified line of symmetry.</p>
Week 4	<p>Number – Addition and Subtraction Unit 3 3A Subtraction of numbers within 10000</p> <p>Maths meetings:</p>	<p>Number – Multiplication and Division Recap Unit 6 3A multiplication Unit 3 4A</p>	<p>Number – Fractions Unit 12 2B Fractions Unit 14 3B Fractions</p> <p>Maths meetings: Counting: 100 more 100 less</p>	<p>Number – Decimals Unit 10 4B Decimals</p> <p>Maths meetings: Recap: rounding of whole numbers</p>	<p>Statistics Unit 13 3B Bar Graphs Unit 4 4A Tables and line graphs</p> <p>Maths meetings:</p>	<p>Geometry – Position and Direction Unit 14 4B Tessellations</p> <p>Maths meetings: Count in multiples of 2, 20, 200</p>

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	<p>X table recall and practise daily Counting linked to times tables Reasoning using addition calculation</p> <p>NC Objectives:</p> <p>Solve number and practical problems that involve all of the above and with increasingly large positive numbers.</p> <p>Subtract numbers with up to 4 digits using the formal written methods of columnar subtraction.</p>	<p>Whole numbers (3)</p> <p>Maths meetings: X table recall and practise daily Recall place value as reasoning Reasoning using multiplication</p> <p>NC Objectives: Multiply two-digit and three-digit numbers by a one-digit number using formal written layout</p> <p>4MD-2 Manipulate multiplication and division equations, and understand and apply the commutative property of multiplication.</p>	<p>Counting: 1000 more 1000 less. Recap: basic addition and subtraction.</p> <p>NC Objectives: Add and subtract fractions with the same denominator.</p>	<p>Recap: Place value of negative and positive numbers. X table recall and practise daily Reasoning: equivalent fractions.</p> <p>NC Objectives: Compare numbers with the same number of decimal places up to two decimal places.</p> <p>Round decimals with one decimal place to the nearest whole number.</p> <p>Recognise and write equivalent fractions to $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$</p>	<p>Count in multiples of 6,7,9 Adding fractions X table recall and practise daily</p> <p>NC Objectives: Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs</p> <p>Solve comparison, sum and difference problems using information presented in bar charts, pictograms tables and other graphs.</p>	<p>Rounding to the nearest 10/100/1000. X table recall and practise daily</p> <p>NC Objectives: Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</p>
Week 5	<p>Number – Addition and Subtraction Unit 3 3A Subtraction of numbers within 10000</p> <p>Maths meetings: X table recall and practise daily Count in multiples of 5 and 10 from different starting points Reasoning using addition and subtraction</p>	<p>Number – Multiplication and Division Recap Unit 7 3A Unit 3 4A Whole numbers (3)</p> <p>Maths meetings: X table recall and practise daily Recall doubling and halving Recall place value as reasoning</p>	<p>Number – Fractions Unit 5 4A Fractions</p> <p>Maths meetings: Recap: multiples and factors Counting/recap: Basic number bonds to 10, 20 and 100. Reasoning: basic fraction X table recall and practise daily</p> <p>NC Objectives: Solve problems involving increasingly</p>		<p>Statistics Unit 13 3B Bar Graphs Unit 4 4A Tables and line graphs</p> <p>Maths meetings: Count in multiples of 6,7,9 Adding fractions X table recall and practise daily</p> <p>NC Objectives:</p>	<p>Geometry – Position and Direction Geometry (Non Inspire)</p> <p>Maths meetings: Counting: up and down in 100s from different numbers (34, 134, 234). Multiplication up to $3d \times 1d$ X table recall and practise daily</p> <p>NC Objectives:</p>

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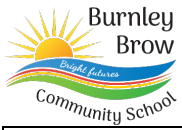
	<p>NC Objectives:</p> <p>Solve number and practical problems that involve all of the above and with increasingly large positive numbers.</p> <p>Subtract numbers with up to 4 digits using the formal written methods of columnar subtraction.</p>	<p>NC Objectives: Not a NC objective.</p> <p>Using a formal algorithm to divide a number up to 4 digits by a 1-digit whole number.</p> <p>4NF–2 Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders, and interpret remainders appropriately according to the context.</p>	<p>harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.</p> <p>4F–1 Reason about the location of mixed numbers in the linear number system.</p>		<p>Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs</p> <p>Solve comparison, sum and difference problems using information presented in bar charts, pictograms tables and other graphs.</p>	<p>Describe positions on a 2-D grid as coordinates in the first quadrant.</p> <p>Describe movements between positions as translations of a given unit.</p> <p>Plot specified points and draw sides to complete a given polygon.</p> <p>4G–1 Draw polygons, specified by coordinates in the first quadrant, and translate within the first quadrant.</p>
Week 6	<p>Number – Addition and Subtraction Unit 4 3A Solving word problems 1 + &</p> <p>Maths meetings: X table recall and practise daily Counting in 1000 forward and backward Recall – ordering numbers beyond 1000 Reasoning using inverse operations</p> <p>NC Objectives:</p> <p>Solve number and practical problems that</p>	<p>Number – Multiplication and Division Recap Unit 7 3A division Unit 3 4A Whole numbers (3)</p> <p>Maths meetings: Recap: multiplication and division facts Recap/reasoning: place value up to 4 digit numbers. Counting: in multiples of 7,8 and 9. X table recall and practise daily</p>	<p>Number – Fractions Unit 5 4A Fractions</p> <p>Maths meetings: Counting in 1000 forward and backward Round decimals to nearest whole number Factors</p> <p>NC Objectives: Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including</p>	Consolidation and assessment.	<p>Geometry – Position and Direction Geometry (Non Inspire)</p> <p>Maths meetings: Counting: up and down in 100s from different numbers (34, 134, 234). Multiplication up to 3d x 1d X table recall and practise daily</p> <p>NC Objectives: Describe positions on a 2-D grid as coordinates in the first quadrant.</p>	

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	<p>involve all of the above and with increasingly large positive numbers</p> <p>Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p> <p>Assessment</p>	<p>NC Objectives: Not a NC objective.</p> <p>Using a formal algorithm to divide a number up to 4 digits by a 1-digit whole number</p>	<p>non-unit fractions where the answer is a whole number.</p> <p>4F-2 Convert mixed numbers to improper fractions and vice versa</p> <p>4F-3 Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers.</p>			<p>Describe movements between positions as translations of a given unit.</p> <p>Plot specified points and draw sides to complete a given polygon.</p>
Week 7	<p>Number – Place Value</p> <p>Roman Numerals</p> <p>Maths meetings: X table recall and practise daily Count backwards through zero to include negative numbers Calculation – random mixed calculation (10 a day challenge)</p> <p>NC Objectives: Read Roman numerals to 100 (i-c)</p>	<p>Number – Multiplication and Division</p> <p>Unit 8 3A Solving word problems 2: Multiplication and division</p> <p>Unit 3 4A Whole numbers 3</p> <p>Maths meetings: Recap: mathematical vocab linked to multiplication and division Counting Reasoning: including unit of measure (money, grams etc). X table recall and practise daily</p>				

		<p>NC Objectives: To solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects</p> <p>4NF-3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100)</p> <p>4MD-3 Understand and apply the distributive property of multiplication.</p>				
<p>Week 8</p>	<p>Multiplication and Division Unit 2 4A (Unit 5+9 3A) Whole numbers</p> <p>Maths meetings: X table recall and practise daily Recap – rounding Reasoning using inverse</p> <p>NC Objectives:</p>					



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	Recognise and use factor pairs and commutativity in mental calculations Count in multiples of 6,7,9, and 25 MM - Xtables					
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