

Maths Yearly Overview

Year: 4

	Autumn 1 1.1 (7 weeks)	Autumn 2 1.2 (7.5 weeks)	Spring 1 2.1 (5 weeks)	Spring 2 2.2 (6 weeks)	Summer 1 3.1 (6 weeks)	Summer 2 3.2 (6.5 weeks)
Week 1	Number - Place Value NC Objectives: Recognise the place value of each digit in a 4 digit number Maths Meeting: Count in 25, 50 and 100 Recap – doubling and halving up to 1000 X table recall and practise daily	Measurement – Area NC Objectives: Find the area of rectilinear shapes by counting squares. Maths meetings: Counting: up and down in 100s from different numbers (34, 134, 234).	Number – Multiplication and Division 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 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	Number – Fractions NC Objectives: Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number. 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	Measurement – Money NC Objectives: Estimate, compare and calculate different measures, including money in pounds and pence. Maths meetings: Solve simple measure and money problems involving fractions and decimals to two decimal places. Eg: $\frac{1}{2}$ of £5 is £2.50	Geometry – Properties of Shape NC Objectives: Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes Identify lines of symmetry in 2-D shapes presented in different orientations. Complete a simple symmetric figure with respect to a line of symmetry.

						Write numbers to 1000 in words X table recall and practise daily
Week 2	Number - Place Value NC Objectives: Recognise the place value of each digit in a 4 digit number Order & compare numbers beyond 1000 Find 1000 more/less than a given number Maths meetings: Counting 1000 more /less Recap – Continue doubling and halving X table recall and practise daily Reasoning – problem involving doubling and halving	Number – Multiplication and Division NC Objectives: Recall multiplication and division fact for multiplication tables up to 12x12 Maths meetings: X table recall and practise daily Recall doubling and halving Recall place value as reasoning	Measurement – Length & Perimeter NC Objectives: Convert between different units of measure Estimate, compare and calculate between different measures,	Number – Fractions NC Objectives: Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number. Maths meetings: Count in multiples of 6,7,9 Round numbers to the nearest 10 and 100.	Measurement – Money NC Objectives: Estimate, compare and calculate different measures, including money in pounds and pence. Solve simple measure and money problems involving fractions and decimals to two decimal places. Eg: $\frac{1}{2}$ of £5 is £2.50 Maths meetings: Counting in 1000 forward and backward Round decimals to nearest whole number Factors	Statistics NC Objectives: Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs Solve comparison, sum and difference problems using information presented in bar charts, pictograms tables and other graphs. Maths meetings: Count in multiples of 6,7,9 Adding fractions X table recall and practise daily

Week 3	Number - Place Value NC Objectives: Read Roman numerals to 100 (i-c) Estimate and use inverse operations to check answers to calculations. Maths meetings: X table recall and practise daily Count in multiples of 6,7,9 Reasoning including place value.	Number – Multiplication and Division NC Objectives: Recall multiplication and division fact for multiplication tables up to 12x12 Maths meetings: X table recall and practise daily Recall doubling and halving Recall place value as reasoning	Measurement – Length & Perimeter NC Objectives: Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres Maths meetings: Counting: up and down in 100s from different numbers (34, 134, 234). Calculate perimeter of rectangles/squares	Number – Decimals NC Objectives: Recognise and write decimal equivalents of any number of tenths or hundredths. 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.	Measurement – Time NC Objectives: Convert between different units of measure (second – minutes – hour) Maths meetings: Count in 25, 50 and 100 Number of days in a month/year/week. Identify 2D and 3D shapes	Geometry – Position and Direction NC Objectives: Describe positions on a 2-D grid as coordinates in the first quadrant. Describe movements between positions as translations of a given unit. Plot specified points and draw sides to complete a given polygon. 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
Week 4	Number - Place Value	Number – Multiplication and Division	Number – Fractions	Number – Decimals	Measurement – Time	Geometry – Position and Direction

	<p>NC Objectives: Round any number to the nearest 10, 100 or 1000</p> <p>Maths meetings: X table recall and practise daily Counting linked to times tables Reasoning using addition calculation</p>	<p>NC Objectives: Recall multiplication and division fact for multiplication tables up to 12x12 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>Maths meetings: X table recall and practise daily Recall doubling and halving Recall place value as reasoning</p>	<p>NC Objectives: Recognise and show, using diagrams, families of common equivalent 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: 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>Maths meetings: X table recall and practise daily Reasoning: decimals and fractions (are they correct). Recap: matching fractions with decimals.</p>	<p>NC Objectives: Solve problems involving converting hours to minutes; 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>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: 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>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>
Week 5	<p>Number – Addition and Subtraction</p> <p>NC Objectives: Solve number and practical problems that involve all of the above and with increasingly large positive numbers</p>	Consolidation week	<p>Number – Fractions</p> <p>NC Objectives: Add and subtract fractions with the same denominator.</p> <p>Maths meetings: Counting: 100 more 100 less</p>	<p>Number – Decimals</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</p>	<p>Consolidation</p> <p>MTC</p>	Consolidation

	<p>Add numbers with up to 4 digits using the formal written methods of columnar addition.</p> <p>Maths meetings: X table recall and practise daily Count in multiples of 6,7,9 Reasoning including place value.</p>	<p>Counting: 1000 more 1000 less. Recap: basic addition and subtraction.</p>	<p>the nearest whole number. Recognise and write equivalent fractions to $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$</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>	
Week 6	<p>Number – Addition and Subtraction</p> <p>NC Objectives: Solve number and practical problems that involve all of the above and with increasingly large positive numbers. Add numbers with up to 4 digits using the formal written methods of columnar addition. Subtract numbers with up to 4 digits using the formal written methods of columnar subtraction.</p> <p>Maths meetings:</p>	<p>Number – Multiplication and Division</p> <p>NC Objectives: Multiply two-digit and three-digit numbers by a one-digit number using formal written layout</p> <p>Maths meetings: X table recall and practise daily Recall doubling and halving Recall place value as reasoning</p>	<p>Number – Decimals</p> <p>NC Objectives: Compare numbers with the same number of decimal places up to two decimal places. Round decimals with one decimal place to the nearest whole number. Recognise and write equivalent fractions to $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$</p> <p>Maths meetings:</p>	<p>Geometry – Properties of Shape</p> <p>NC Objectives: Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes Identify acute and obtuse angles up to two right angles by size</p> <p>Maths meetings: Count in multiples of 6,7,9</p>

	<p>X table recall and practise daily Counting linked to times tables Reasoning using addition calculation</p>		<p>Recap: rounding of whole numbers Recap: Place value of negative and positive numbers. X table recall and practise daily Reasoning: equivalent fractions.</p>	<p>Reasoning including decimals. X table recall and practise daily</p>	
Week 7	<p>Number – Addition and Subtraction</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>Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p> <p>Estimate and use inverse operations to check answers to calculations.</p>	<p>Number – Multiplication and Division</p> <p>NC Objectives:</p> <p>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>Maths meetings:</p> <p>X table recall and practise daily</p> <p>Recall doubling and halving</p> <p>Recall place value as reasoning</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>				
Week 8		Assessment			