

St Stephens Community Academy - Maths Scheme of Learning (Year 4) 2016

Year 4	Autumn Term		Spring Term		Summer Term	
Week	1	2	1	2	1	2
1	<p>Number- Place value</p> <p>Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</p>	<p>Number- Place value</p> <p>Count in multiples of 9, 25 and 1000</p> <p>Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)</p>	<p>Number - Place value</p> <p>Count in multiples of 6,7,9,25 and 1000</p> <p>Count backwards through zero to include negative numbers</p> <p>Round decimals with one decimal place to the nearest whole number</p>	<p>Number - Place value</p> <p>Count backwards through zero to include negative numbers</p> <p>Round any number to the nearest 10, 100, 1000</p>	<p>Number - Place value</p> <p>Count backwards through zero to include negative numbers and fractions</p> <p>Recognise the place value of each digit in a four digit number</p>	<p>Number - Place value</p> <p>Recall multiplication and division facts up to 12x12</p> <p>Count backwards through zero to include negative numbers and fractions</p>
2	<p>Number – Addition and subtraction</p> <p>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate</p>	<p>Number - Fractions and decimals</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>Recognise and show, using diagrams, families of common equivalent fractions</p>	<p>Number - Addition and Subtraction</p> <p>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate</p>	<p>Number - Fractions and decimals</p> <p>Add and subtract fractions with the same denominator</p> <p>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</p>	<p>Number - Addition and Subtraction</p> <p>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction</p> <p>Estimate and use inverse operations to check answers to a calculation</p>	<p>Number - Addition and Subtraction</p> <p>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate</p> <p>Estimate and use inverse operations to check answers to a calculation</p>

<p>3</p>	<p>Number – Addition and Subtraction</p> <p>Estimate and use inverse operations to check answers to a calculation</p> <p>Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why</p>	<p>Number - Fractions and Decimals</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>Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$</p> <p>Recognise and write decimal equivalents of any number of tenths and hundredths</p>	<p>Number - Multiplication & Division</p> <p>Recognise and use factor pairs and commutativity in mental calculation</p> <p>Multiply two-digit and three-digit numbers by a one-digit number using formal written layout</p>	<p>Number – Fractions and decimals</p> <p>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>Number - Multiplication and Division</p> <p>Multiplying two-digit and three-digit numbers by a one-digit number using formal written layout</p> <p>Divide using formal written method of short division</p>	<p>Number - Multiplication and Division</p> <p>Multiply two digit and three digit numbers by a one digit number using formal written method</p> <p>Divide using short division</p>
<p>4</p>	<p>Number - Multiplication and Division</p> <p>Use place value, known and derived facts to multiplying and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers</p> <p>Count in multiples of 6 and 7</p> <p>Recall multiplication and division facts for multiplication tables up to 12x12</p>	<p>Measurement – Conversion</p> <p>Convert between different units of measure (for example, kilometre to metre; hour to minute)</p> <p>Estimate, compare and calculate different measures, including money in pounds and pence</p>	<p>Number - Multiplication and Division</p> <p>Divide using formal written method of short division</p>	<p>Measurement – Conversion</p> <p>Convert between different units of measure (for example, kilometre to meter; hour to minute)</p> <p>Estimate, compare and calculate different measures, including money in pounds and pence</p>	<p>Measurement – Money, perimeter and area</p> <p>Convert between different units of measure (for example, kilometre to meter; hour to minute)</p> <p>Estimate, compare and calculate different measures, including money in pounds and pences</p>	<p>Measurement - Time</p> <p>Read, write, and convert time between analogue and digital 12- and 24-hour clocks</p>

<p>5</p>	<p>Number - Multiplication and Division</p> <p>Multiply two digit and three digit numbers by a one digit number using formal written lay out.</p> <p>Divide using the short division method with exact answers</p>	<p>Measurement - Time</p> <p>Read write and convert time between analogue and digital 12- and 24-hour clocks</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p>	<p>Geometry - Angles</p> <p>Identify acute and obtuse angles and compare and order angles up to two right angles by size</p>	<p>Measurement - Perimeter and Area</p> <p>Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and meters</p> <p>Find the area of rectilinear shapes by counting squares</p>	<p>Geometry – 2D shapes and angles</p> <p>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</p> <p>Identify acute and obtuse angles and compare and order angles up to two right angles by size</p>	<p>Measurement - Time</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p>
<p>6</p>	<p>Geometry – 2D shape</p> <p>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes</p> <p>Identify lines of symmetry in 2D shapes presented in different orientations</p>	<p>Statistics</p> <p>Solve comparisons, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</p>	<p>Geometry - Position and Direction</p> <p>Describe positions on a 2D grid as coordinates in the first quadrant</p> <p>Describe movements between positions as translations of a given unit to the left/right and up/down</p>	<p>Statistics</p> <p>Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs</p>	<p>Geometry – 2D shapes and position and movement</p> <p>Identify lines of symmetry in 2D shapes presented in different orientations</p> <p>Complete a simple symmetrical figure with respect to a specific line of symmetry</p>	<p>Statistics</p> <p>Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs</p>



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