

## Maths Long Term Plan Year 4

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Number and Place Value</b>	Recognise the place value of digits in a 4 digit number Order and compare numbers beyond 1000 Find 1000 more and 1000 less than a number Round numbers to the nearest 10 Round numbers to the nearest 100		Count in multiples of 1000 Count backwards through zero to include negative numbers			Round any number to the nearest 10, 100 and 1000 Read Roman Numerals to 100
<b>Addition and Subtraction</b>	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate			Solve addition and subtraction two-step problems in contexts		
<b>Multiplication and Division</b>	Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers Multiply two-digit and three-digit numbers by a one-digit number using formal written layout	Multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers Multiply two-digit and three-digit numbers by a one-digit number using formal written layout		Multiply two-digit and three-digit numbers by a one-digit number using formal written layout  Short Division	Multiply two-digit and three-digit numbers by a one-digit number using formal written layout Multiply together three numbers mentally Division and multiplication word problems Use short division Recall multiplication and division facts for multiplication tables up to $12 \times 12$	Multi-step problems using multiplication and division  Recall multiplication and division facts for multiplication tables up to $12 \times 12$
<b>Fractions (including decimals and percentages)</b>	Recognise and show, using diagrams, families of common equivalent fractions Add and subtract fractions with the same denominator	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 Recognise and write decimal equivalents of any number of tenths or hundredths	Round numbers with one decimal place to the nearest whole number Compare numbers with the same number of decimal places up to 2 decimal places Solve problems involving increasingly harder	Recognise and show, using diagrams, families of common equivalent fractions Solve problems involving increasingly harder fractions to calculate quantities Count up and down in hundredths	Recognise and write decimal equivalents of any number of tenths or hundredths Solve simple measure and money problems involving fractions and decimals to two decimal places	Using multiplication to identify equivalent fractions

		Recognise and write decimal equivalents to $\frac{1}{4}$ , $\frac{1}{2}$ , $\frac{3}{4}$ Compare numbers with the same number of decimal places up to two decimal places	fractions to calculate quantities			
<b>Measurement</b>	Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres Find the area of rectilinear shapes by counting squares  Estimate, compare and calculate using money	Convert between different units of measure Read, write and convert time between analogue and digital Solve two step word problems involving money Estimate, compare and calculate different measures, including money in pounds and pence	Solve two step word problems involving money.	Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days	Convert between different units of measure Solve problems using area and perimeter knowledge Read, write and convert time analogue to digital
<b>Geometry</b>	Identify acute and obtuse angles and compare and order angles up to two right angles by size Identify lines of symmetry in 2-D shapes presented in different orientations		Identify lines of symmetry in 2-D shapes presented in different orientations Complete a simple symmetric figure with respect to a specific line of symmetry Compare and classify geometric shapes	Describe movements between positions as translations of a given unit to the left/right and up/down	Describe positions on a 2-D grid as coordinates in the first quadrant Plot specified points and draw sides to complete a given polygon	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes Identify acute and obtuse angles and compare angles up to two right angles by size
<b>Statistics</b>		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				