

Year 4

Aspect	Autumn	Spring	Summer
Number and Place Value	<ul style="list-style-type: none"> I count backwards through zero to include negative numbers I count in multiples of 6, 7, 9, 25 and 1000. 	<ul style="list-style-type: none"> I read Roman numerals to 100 and understand that over time, the numeral system changes to include the concept of zero and place value. I find 1000 more or less than a given number. 	<ul style="list-style-type: none"> I compare and order numbers beyond 1000. I round any number to the nearest 10, 100 or 1000.
Addition and Subtraction	<ul style="list-style-type: none"> I add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction, where appropriate. I estimate and use inverse operations to check answers to a calculation. 		<ul style="list-style-type: none"> I solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.
Multiplication and Division	<ul style="list-style-type: none"> I recall multiplication and division facts for tables up to 12x12. I recognise and use factor pairs and commutativity in mental calculations. I multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout. 	<ul style="list-style-type: none"> I divide 2-digit and 3-digit numbers by a 1-digit number using formal written layout with no remainder. I use place value, known and derived facts to multiply and divide mentally, including multiplying by 0 and 1; multiplying three numbers together. I find the effect of multiplying a number with up to 2 decimal places by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. 	

Year 4 (continued)

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Fractions		<ul style="list-style-type: none"> I recognise and show, using diagrams, families of common equivalent fractions. I add and subtract fractions with the same denominator. 	<ul style="list-style-type: none"> I find the effect of dividing a 1-digit or 2-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. I count up and down in hundredths; recognise that hundredths arise from dividing an object into one 100 equal parts and in dividing numbers or quantities by 100. I recognise and write decimals equivalents of any number of tenths or hundredths. I recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$. I round decimals with one decimal place to the nearest whole number. I compare numbers with the same number of decimal places up to two decimal places.
Measures	<ul style="list-style-type: none"> I read, write and convert time between analogue and digital 12- and 24-hour clocks. I measure and calculate the perimeter of a rectilinear figure (including squares) in cm and m. 	<ul style="list-style-type: none"> I find the area of rectilinear shapes by counting squares. 	<ul style="list-style-type: none"> I convert between different units of measure (e.g. km to m; hr to min).

Year 4 (continued)

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Geometry	<ul style="list-style-type: none"> ▪ I compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes. 	<ul style="list-style-type: none"> ▪ I describe positions on a 2D grid as coordinates in the first quadrant. ▪ I identify lines of symmetry in 2D shapes presented in different orientations. ▪ I complete a simple symmetric figure with respect to a specific line of symmetry. 	<ul style="list-style-type: none"> ▪ I describe positions on a 2D grid as coordinates in the first quadrant. ▪ I describe movements between positions as translations of a given unit to the left/right and up/down. ▪ I plot specified points and draw sides to complete a given polygon. ▪ I identify acute and obtuse angles, and compare and order angles up to two right angles by size.
Statistics	<ul style="list-style-type: none"> ▪ I interpret and present discrete and continuous data using appropriate graphical methods, including: bar charts and time graphs. 		<ul style="list-style-type: none"> ▪ I solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

Year 4- Progression document
Maths