Bearwood Primary School
Year 4 – End of Year Expectations
MATHS

NUMBER	Count in multiples of 6, 7, 9, 25 and 1000
	Find 1000 more or less than a given number
	Count backwards through zero to include negative numbers
	Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
	Order and compare numbers beyond 1000
	Identify, represent and estimate numbers using different representations
	Round any number to the nearest 10, 100 or 1000
	Solve number and practical problems that involve all of the above and with increasingly large positive numbers
	Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value
CALCULATION	Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
	Estimate and use inverse operations to check answers to a calculation
	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why
	Recall multiplication and division facts for multiplication tables up to 12 × 12
	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
	Recognise and use factor pairs and commutativity in mental calculations
	Multiply two-digit and three-digit numbers by a one-digit number using formal written layout
	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
MEASUREMENT	Convert between different units of measure (e.g. kilometre to metre; hour to minute)
	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 different measures, including money in pounds and pence
	Read, write and convert time between analogue and digital 12 and 24-hour clocks
	Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days

STATISTICS	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
FRACTIONS	Recognise and show, using diagrams, families of common equivalent fractions
	Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten
	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
	Add and subtract fractions with the same denominator
	Recognise and write decimal equivalents of any number of tenths or hundredths
	Recognise and write decimal equivalents to $1/4$; $1/2$; $3/4$
	Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths
	Round decimals with one decimal place to the nearest whole number
	Compare numbers with the same number of decimal places up to two decimal places
	Solve simple measure and money problems involving fractions and decimals to two decimal places
GEOMETRY	Compare and classify geometric shapes, including quadrilaterals and triangles**,** based on their properties and sizes
	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
	Complete a simple symmetric figure with respect to a specific line of symmetry
	Describe positions on a 2-D grid as coordinates in the first quadrant
	Describe movements between positions as translations of a given unit to the left/right and up/down
	Plot specified points and draw sides to complete a given polygon
USING / APPLYING	Begin to organise their work and check their results
	Discuss their mathematical work and begin to explain their thinking
	Use and interpret mathematical symbols and diagrams
	Understand a general statement by finding particular examples that match it
	Review their work and reasoning