Aim, Achieve, Succeed

Capenhurst CE Primary
National Curriculum 2014 – Mathematics (Y4)

Coverage of Year 4 objectives 2019/2020

Y4	Objective	Working towards (pupil initials)	Expected (no. of pupils)	Greater depth (pupil initials)
Number and Place Value	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.			
Number – Addition & Subtraction	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.			
Number - Multiplication & Division	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 problems such as n objects are connected to m objects.			
Number – Fractions (including decimals)	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 one 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 $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$			

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	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 ones, 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.			
Measurement	Convert between different units of measure [for example, 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.			
Geometry – Properties of shapes	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.			
Geometry – position & direction	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.			
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.			