Y4 Maths Long Term Plan

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn (T1 and T2)	Number: Place Value		Number: Addition and Subtraction				Measures: Perimeter and Length		Number: Multiplication and Division			Geometry: Angles
Spring (T3 and Y4)	Number: Place Value	All Four Operations			Fractions			Decimals		Time		Measurement: Money
Summer (T5 and T6)	Number: Place Value	Measurement: Area		Geometry: Shape and Symmetry		Statistics		Assessment Week: Optional SATs	Themed Maths Week	Geometry: Position and Direction		Measures: Perimeter and Area

Term by Term Objectives

Year 4 **Term 1 and Term 2**

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Number: Place Value 4.1.a.1 (KPI) Count in multiples of 1000; count backwards through zero to include negative numbers 4.1.a.2 Find 1000 more or less than a given number 4.1.a.3 (KPI) Count in multiples of 6, 7, 9 and 25 4.1.b.1 Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, ones) 4.1.b.3 Identify, represent and estimate numbers to 10 000 using different representations 4.1.c.1 (KPI) Order and compare numbers beyond 1000 4.1.d.1 Solve number and practical problems with number and place value from the Year 4 curriculum, with increasingly large positive numbers 4.1.e.1 (KPI) Round whole numbers to 10,000 to the nearest 10, 100 or 1000		**Number: Addition and Subtraction** 4.2.a.2 Understand the inverse relationship between addition and subtraction 4.2.b.1 Mentally add and subtract pairs of three-digit and four-digit numbers 4.2.b.2 Use addition and subtraction facts to 100 and derive related facts up to 1000 4.2.c.1 (KPI) Solve calculation problems involving two-step addition and subtraction in context, deciding which operations to use and why 4.2.c.2 (KPI) Solve calculation problems involving two-step addition and subtraction in context, deciding which methods to use and why 4.2.e.1 Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate 4.2.f.1 Check answers to addition and subtraction calculations by estimating and using inverse operations				**Measurement: Perimeter and Length** 4.1.4 (KPI) Convert from larger to smaller units of metric measure 4.2.3 Estimate and compare different measures, including money 4.2.4 Measure the perimeter of a rectilinear figure 4.3.5 Calculate the perimeter of a rectilinear figure		**Number: Multiplication and Division** 4.2.a.1 Use the distributive law to multiply two digit numbers by one digit 4.2.a.3 Use commutativity in mental calculations 4.2.a.4 Use factor pairs in mental calculations 4.2.b.3 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 4.2.c.3 Solve problems involving multiplying and adding, including integer scaling and harder correspondence problems such as n objects are connected to m objects 4.2.d.2 (KPI) Recall multiplication and division facts for multiplication tables up to 12 × 12 4.2.e.2 Multiply two-digit and three-digit numbers by a one-digit number using formal written layout 4.2.e.3 Divide two-digit and three-digit numbers by a one-digit number using formal written layout 4.2.f.2 Check answers to multiplication and division calculations using rounding 4.1.1 (KPI) Solve calculation problems involving multiplying and adding, including integer scaling and harder			**Geometry: Angles** 4.1.1 Measure angles using a protractor 4.3.1 Identify acute and obtuse angles 4.3.2 Compare and order angles up to two right angles by size 4.3.3 Continue to identify types of angles and to reason about their sizes

			correspondence problems such as n objects are connected to m objects 4.1.2 Use the distributive law and associative law to perform mental calculations	

Term by Term Objectives

Year 4 **Term 3 and Term 4**

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Number: Place Value 4.1.b.2 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 4.1.d.1 Solve number and practical problems with number and place value from the Year 4 curriculum, with increasingly large positive numbers	**Number: All Four Operations** 4.3.2 Calculate with different measures 4.3.4 Continue to solve problems involving mixed units of length, mass and capacity/volume 4.2.c.1 (KPI) Solve calculation problems involving two-step addition and subtraction in context, deciding which operations to use and why 4.2.c.2 (KPI) Solve calculation problems involving two-step addition and subtraction in context, deciding which methods to use and why 4.2.e.1 Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate 4.2.f.1 Check answers to addition and subtraction calculations by estimating and using inverse operations 4.2.e.2 Multiply two-digit and three-digit numbers by a one-digit number using formal written layout 4.2.e.3 Divide two-digit and three-digit numbers by a one-digit number using formal written layout			**Number: Fractions** 4.3.a.1 Make connections between fractions of a length, of a shape and as a representation of one whole or a set of quantities 4.3.a.2 Use factors and multiples to recognise equivalent fractions and simplify where appropriate 4.3.a.3 (KPI) Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten 4.3.b.1 (KPI) Recognise and show, using diagrams, families of common equivalent fractions 4.3.b.2 Recognise that the denominator of a fraction always tells you the number of equal parts that make one whole 4.3.c.1 Continue to compare and order unit fractions, and fractions with the same denominators 4.3.c.2 Add and subtract fractions with the same denominator 4.3.c.3 Understand the relation between non-unit fractions and multiplication and division of quantities			**Number: Decimals** 4.3.a.4 Divide a one- or two-digit numbers by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths 4.3.b.3 Recognise and write decimal equivalents of any number of tenths or hundredths and 1/4; 1/2; 3/4 4.3.c.4 (KPI) Rounds decimals with one decimal place to the nearest whole number 4.3.c.5 Compares numbers with the same number of decimal places up to two decimal places		**Number: Time** 4.1.1 Read, write and convert time between analogue and digital 12- and 24-hour clocks 4.1.2 (KPI) Convert from larger to smaller units of time 4.2.1 Read time from analogue and digital 12- and 24-hour clocks 4.2.2 Write time from analogue and digital 12- and 24-hour clocks 4.3.1 Continue to solve problems relating to the duration of events		**Measurement: Money** 4.3.d.2 Solve simple measure and money problems involving fractions and decimals to two decimal places 4.1.3 Record money using decimal notation 4.1.4 (KPI) Convert from larger to smaller units of metric measure 4.2.3 Estimate and compare different measures,

		4.3.d.1 Solve problems involving harder fractions to calculate and divide quantities, including non-unit fractions where the answer is a whole number			including money 4.3.3 Calculate with money in pounds and pence

Term by Term Objectives

Year 4 **Term 5 and Term 6**

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Number: Place Value 4.1.d.1 Solve number and practical problems with number and place value from the Year 4 curriculum, with increasingly large positive numbers	**Measurement: Area** 4.2.5 Find the area of rectilinear shapes by counting squares and relate it to multiplication arrays		**Geometry: Shape and Symmetry** 4.1.1 Complete a simple symmetric figure with respect to a specific line of symmetry 4.1.2 (KPI) Identify lines of symmetry in 2-D shapes presented in different orientations, including where the line of symmetry does not dissect the original shape 4.1.3 Continue to recognise 3-D shapes, using the correct language 4.2.1 (KPI) Compare and classify geometric shapes, including different types of quadrilaterals and		**Statistics** 4.1.1 Interpret discrete and continuous data using appropriate graphical methods, including time graphs 4.2.1 Present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs 4.3.1 (KPI) Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs 4.3.2 Begin to solve problems involving information presented in tables		**Assessment Week: Optional SATs**	**Themed Maths Week**	**Geometry: Position and Direction** 4.4.1 Describe positions on a 2-D grid as coordinates in the first quadrant 4.4.2 (KPI) Plot specified points and draw sides to complete a given polygon 4.5.1 Describe movement between positions as translations of a given unit to the left/right and up/down		**Measurement: Perimeter and Area** 4.1.4 (KPI) Convert from larger to smaller units of metric measure 4.2.3 Estimate and compare different measures, including money 4.2.4 Measure the perimeter of a rectilinear figure 4.2.5 Find the area of rectilinear shapes by counting squares and relate it to

		triangles, based on their properties and sizes 4.2.2 Use the vocabulary of the different types of triangle and quadrilateral 4.2.3 Continue to make and classify 3-D shapes, including by the 2-D shapes that form their surface					multiplication arrays 4.3.2 Calculate with different measures 4.3.5 Calculate the perimeter of a rectilinear figure