Amble Links First School
Year 4 Maths - Yearly Overview & Term by Term Objectives

	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	Number: Place Value				Number: Addition and Subtraction			Measurement: Length and Perimeter		Number: Multiplication and Division		
Spring	Number: Multiplication and Division			Measurement: Area	Number: Fractions					Number: Decimals		Consolidation
Summer	Number: Decimals		Measurement: Money		Measurement: Time			Statistics	Geometry: Properties of Shape		Geometry: Position and Direction	Consolidation

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Autumn

Number: Place Value	Number: Addition and Subtraction	Measurement: Length and perimeter	Number: Multiplication and Division
Recognise the place value of each digit in a four-digit number Order and compare numbers beyond 1000 Count in multiples of 6, 7, 9, 25 and 1000 Find 100 more or less than a given number Identify, represent and estimate numbers using different representations Round any number to the nearest 10, 100 or 1000 Count backwards through zero to include negative 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 Solve number and practical problems that involve all of the above and with increasingly large positive numbers	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 context, deciding which operations and methods to use and why	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	Recall and use multiplication and division facts for multiplication tables up to 12 x12 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 2-digit and 3-digit numbers by a one-digit number using formal written layout Solve problems involving multiplying and adding, including using the distributive law to multiply 1-digit numbers by 1-digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

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	Number: Multiplication and Division	Area	Number: Fractions	Number: Decimals	Consolidation
Spring	Recall and use multiplication and division facts for multiplication tables up to 12 x12 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 2-digit and 3-digit numbers by a one digit number using formal written layout Solve problems involving multiplying and adding, including using the distributive law to multiply 1-digit numbers by 1-digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects	Find the area of rectilinear shapes by counting squares	Recognise and show, using diagrams, families of common equivalent fractions 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	Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten Recognise and write decimal equivalents of any number of tenths and hundredths Find the effect of dividing a one or two-digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths	Consolidation

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Summer

Number: Decimals

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

Recognise and write decimal equivalents to ¼, ½, ¾

Find the effect of dividing a one or two-digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths

Measurement: Money

Estimate, compare and calculate different measures, including money in pounds and pence

Solve simple measures and money problems involving fractions and decimals to two decimal places

Measurement: Time

Convert between different units of measure

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

Geometry: Properties of Shape

Identify acute and obtuse angles and compare and order angles up to two right angles by size

Compare and classify geometric shapes, including triangles, based on their properties and sizes

Compare and classify geometric shapes, including quadrilaterals, based on their properties and sizes

Identify lines of symmetry in 2D shapes presented in different orientations

Complete a simple symmetric figure with respect to a specific line of symmetry

Geometry: Position and Direction

Describe positions on a 2D grid as coordinates in the first quadrant

Describe movements between positions as translations of a given unit to the left/right and up/down

Consolidation