Year 4

Autumn	**Number: Place Value** Count in 7s 9s 25s 1,000s Find 1,000 more / less Order and compare numbers beyond 1,000 Recognise pv of each digit in a 4 digit number Rounding to nearest 10, 100, 1,000	**Measurement** Weight	**Addition and Subtraction** Mental addition and subtraction using 100s and 1000s add and subtract 4-digit columnar addition and subtraction	**Multiplication and Division** Facts for 6s, 7s, 9s, 11s, 12s X by 0 and 1 ÷ by 1 X 3 single digits together		**Measurement** Area
Include Measurement Reasoning and problem solving		Include Measurement Reasoning and problem solving		Include Measurement Reasoning and problem solving		
Spring	**Fractions** Equivalent fractions Fractions of quantities	**Fractions** Addition and subtraction of fractions with the same denominator across 1 whole	**Decimals** Decimal equivalents Rounding and comparing decimals Recognise tenths and hundredths	**Decimals** Multiplying and Dividing by 10 and 100 (explicit link to measure)	**Addition and Subtraction** Add and subtract numbers to one decimal place	**Time** Roman Numerals Read, write and convert 12 and 24Convert hours to minutes, minutes to seconds, years to months, weeks to days	**Multiplication and Division** Factor pairs Written methods for TO X O HTO X O TO ÷ O inc remainders
Include Measurement Reasoning and problem solving		Include Measurement Reasoning and problem solving		Reasoning and problem solving		
Summer	**Geometry / Measure** Properties of 2d and 3d shape Perimeter	**Measurement** Length	**Decimals** Fraction and decimal equivalents	**Money** **Addition and subtraction** of up to 4 digits with decimals	**Geometry: Position and Direction** Co-ordinates Positions and translations	**Place Value** Negative numbers **Measurement** Capacity	**Statistics** Bar charts Time graphs Time tables
Include Measurement including money and length Reasoning and problem solving		Reasoning and problem solving	Reasoning and problem solving	Reasoning and problem solving	Include Measurement Reasoning and problem solving		

Autumn Term

Topic	Objectives	Connections and Links
Place Value	**Order and compare numbers beyond 1000 including Identify, represent and estimate numbers using different representations** **Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) including** **Identify, represent and estimate numbers using different representations** **Round any number to the nearest 10, 100 or 1000** **Count in multiples of 6, 7, 9, 25 and 1000** **Find 1000 more or less than a given number**	**Solve number and practical problems that involve all of the above and with increasingly large positive numbers** **Contexts include a range of measures**
Addition and Subtraction	**Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate** • **Add and subtract mentally a 4-digit number + 100s and or 100os** • **Add and subtract mentally numbers to 1 decimal place** • **Add and subtract up to 4-digits using columnar methods (making appropriate choices if it's a mental calculation)**	**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.** **Contexts include a range of measures**

Multiplication and Division	**Recall multiplication and division facts for multiplication tables up to 12 × 12 (facts for 6,7,9,11,12 are new)** **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**	**Solve problems involving multiplying and adding, integer scaling problems and harder correspondence problems such as n objects** **Contexts include a range of measures**