Year 5 Maths Overview

Autumn 1	Weeks 1 & 2	Number ~ Place Value & Rounding	◊ Read, write, order & compare numbers to at least 1 million ◊ Know what each number represents in numbers to 1 million ◊ Count forwards & backwards in powers of 10 from any given number up to 1 million ◊ Round any number up to 1 million to the nearest 10, 100, 1000, 10,000 & 100,000 ◊ Use negative numbers in context, counting forwards & backwards through 0
	Weeks 3 & 4	Number ~ Addition & Subtraction (including money)	◊ Add whole numbers with more than 4 digits ◊ Subtract whole numbers with more than 4 digits ◊ Add & subtract numbers mentally using increasingly larger numbers ◊ Use addition & subtraction to solve multi-step problems
	Weeks 5 & 6	Measurement	◊ Convert between different units of measure ◊ Understand & use approximate equivalences between metric & imperial units of measure ◊ Estimate volume & capacity
	Week 7	Statistics	◊ Solve comparison problems using information presented in a line graph ◊ Solve sum problems using information presented in a line graph ◊ Solve difference problems using information presented in a line graph

Autumn 2	Week 1	Number ~ Place Value	◊ Read, write, order & compare numbers to at least 1 million ◊ Read, write, order & compare numbers with up to 3 decimal places ◊ Know what each number represents in numbers to 1 million ◊ Read Roman Numerals to 1000 (M) & recognise years written in Roman Numerals ◊ Solve number problems & practical problems involving place value
	Weeks 2 & 3	Number ~ Multiplication & Division	◊ Identify factors & multiples including finding all factor pairs ◊ Recognise & use square & cubed numbers ◊ Know & use the vocabulary of prime numbers, prime factors & composite numbers ◊ Solve problems with factors, multiples, square, cube & prime numbers ◊ Establish whether a number up to 100 is prime & recall the prime numbers up to 19 ◊ Multiply numbers up to 4 digits by a 1 or 2 digit number ◊ Divide numbers up to 4 digits by a 1 or 2 digit number ◊ Multiply & divide numbers mentally ◊ Multiply & divide numbers with decimals by 10, 100 and 1000
	Weeks 4, 5 & 6	Number ~ Fractions, Decimals & Percentages	◊ Compare & order fractions with different denominators ◊ Identify, name & write equivalent fractions of a given fraction ◊ Recognise mixed & improper fractions & convert from one to the other ◊ Add & subtract fractions with different denominators including mixed numbers ◊ Multiply proper numbers & mixed numbers by whole numbers ◊ Read & write decimals as fractions ◊ Recognise & use 1000ths & relate them to 10ths & 100ths & decimal equivalences ◊ Round decimals to the nearest whole number and 1 decimal place

	Weeks 7 & 8	Geometry (Properties of shapes)	◊ Distinguish between regular & irregular polygons ◊ Identify 3D shapes from 2D representations ◊ Know angles are measured in degrees ◊ Estimate & compare acute, obtuse & reflex angles ◊ Draw given angles & measure then in degrees ◊ Identify angles at a point & one whole turn ◊ Identify angles on a straight line & half a turn ◊ Identify other multiples of 90 degrees ◊ Use the properties of rectangles to find missing lengths & angles

Spring 1	Week 1	Number ~ Addition & Subtraction (including money)	◊ Add & subtract numbers, including decimals using the column method ◊ Use rounding to check answers to calculations ◊ Use the inverse to solve missing number calculations
	Weeks 2, 3 & 4	Measurement~ Units of measure, Area & Perimeter & Time	◊ Convert between different units of measure ◊ Understand & use approximate equivalences between metric & imperial units of measure ◊ Measure & calculate the perimeter of composite rectilinear shapes ◊ Calculate & compare the area of rectangles ◊ Estimate the area of irregular shapes ◊ Convert between 12 & 24 hour clock (Y4 recap) ◊ Solve problems involving converting between units of time ◊ Use all 4 operations to solve problems involving measure
	Week 5 & 6	Geometry (Position & Direction)	◊ Identify, describe & represent the position of a shape following a reflection ◊ Identify, describe & represent the position of a shape following a translation

Spring 2	Weeks 1 & 2	Number ~ Multiplication & Division	◊ Solve problems with factors, multiples, square, cube & prime numbers ◊ Multiply numbers up to 4 digits by a 1 or 2 digit number ◊ Divide numbers up to 4 digits by a 1 or 2 digit number ◊ Multiply & divide numbers mentally ◊ Multiply & divide numbers with decimals by 10, 100 and 1000 ◊ Solve problems using multiplication & division including scaling problems
	Weeks 3 & 4	Number ~ Fractions, Decimals & Percentages	◊ Add & subtract fractions with different denominators including mixed numbers ◊ Compare & order fractions with different denominators ◊ Recognise the % symbol & understand what it means ◊ Convert between fractions, decimals & percentages ◊ Solve problems involving numbers up to 3 decimal places
	Weeks 5 & 6	Statistics	◊ Solve comparison, sum & difference problems using information presented in a line graph ◊ Complete, read & interpret information in tables, including time tables

Summer 1	Weeks 1 & 2	Number ~ Addition, subtraction, multiplication & division	◊ Add whole numbers with more than 4 digits ◊ Subtract whole numbers with more than 4 digits ◊ Add & subtract numbers mentally using increasingly larger numbers ◊ Use addition & subtraction to solve multi-step problems

			◊ Solve problems with factors, multiples, square, cube & prime numbers ◊ Multiply numbers up to 4 digits by a 1 or 2 digit number ◊ Divide numbers up to 4 digits by a 1 or 2 digit number ◊ Solve problems using multiplication & division including scaling problems
	Week 3	Geometry (Properties of shapes)	◊ Estimate & compare acute, obtuse & reflex angles ◊ Draw given angles & measure then in degrees ◊ Calculate angles on a straight line & around a point ◊ Calculate missing angles using known facts
	Week 4	Geometry (Position & Direction)	◊ Identify, describe & represent the position of a shape following a reflection ◊ Identify, describe & represent the position of a shape following a translation
	Week 5	Measurement ~ Time	◊ Solve problems involving converting between units of time
	Week 6	Number ~ Fractions, Decimals & Percentages	◊ Compare, order, add & subtract fractions with different denominators ◊ Convert between fractions, decimals & percentages ◊ Solve problems involving numbers up to 3 decimal places

Summer 2		Consolidation	Identified Gaps