St Wilfrid's C of E Primary School

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Autumn 1	**1 Place value** *Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000.*	**2 Place value Decimals** *Count up and down in thousandths; recognise that thousandths arise from dividing an object into 1000 equal parts and in dividing numbers or quantities by 1000.*	**1 Addition and Subtraction, including problems** *Add and subtract numbers mentally with increasingly large numbers.*	**2 Addition and Subtraction, including Statistics** *Add and subtract whole numbers with more than 4 digits including using formal written methods (columnar addition and subtraction).*	**1 Fractions compare, order, equivalence** *Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.* *Read and write decimal numbers as fractions, e.g. 0.71 = 71/100.*	**2 Fractions** *Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements.*
Autumn 2	**1 Multiplication and division, Factors & multiples** *Identify multiples and factors including finding all factor pairs of a number and common factors of two numbers.*	**2 Multiplication & Division, including problems** *-Multiply and divide numbers mentally drawing upon known facts.* *-Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers* *-Establish whether a number up to 100 is prime and recall prime numbers up to 19.*	**3 Multiplication & Division** *Multiply numbers up to 4-digits by a 1-digit or 2-digit number using a formal written method, including long multiplication for 2-digit numbers.*	**1 Measures Perimeter and Area** *-Measure and calculate the perimeter of composite rectilinear shapes in cm and m.* *- Calculate & compare the area of rectangles (including squares, & including using standard units, square centimetres (cm^2) and square metres (m^2) & estimate the area of irregular shapes.*	**1 Statistics and measures, including time** *Complete, read and interpret information in:* - *tables, including timetables*	**Consolidate and assess**

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Spring 1	**3 Place value. Roman numerals, and negative numbers** *- Interpret negative numbers in context, count forwards and backwards with positive and negative numbers including through zero.* *- Read Roman numerals to 1000 and recognise years written in Roman numerals*	**1 Geometry Angles** *Know angles are measured in degrees; estimate & compare acute, obtuse & reflex angles.* *Identify:* - *Angles at a point on a straight line & ½ a turn (total 180°)* - *Angles at a point & one whole turn (total 360°)* - *Other multiples of 90°* *Draw given angles & measure them in degrees*	**2 Geometry Reflection and Translation** *Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language and know that the shape has not changed*	**2 Measures Area** *Calculate & compare the area of rectangles (including squares) including using standard units, square centimetres (cm^2) and square metres (m^2) & estimate the area of irregular shapes.*	**4 Multiplication and Division** *Divide numbers up to 4-digits by a 1-digit number using the formal written method of short division and interpret remainders appropriately for the context.*	**3 Fractions** *Compare and order fractions whose denominators are all multiples of the same number.*
Spring 2	**3 Addition and subtraction, including problems** *Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.*	**5 Multiplication & Division** *Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.*	**3 Geometry** *Distinguish between regular and irregular polygons based on reasoning about equal sides and angles*	**4 Geometry 2D and 3D shape** *-Identify 3D shapes, including cubes and other cuboids, from 2D representations* *- Use the properties of rectangles to deduce related facts & find missing lengths & angles.*	**3 Measures, including area and volume** *- Estimate volume (e.g. using 1 cm^3 blocks to build cubes, including cuboids) & capacity (e.g. using water).* *- Convert between different units of metric measure (e.g. km/m; cm/m; cm/mm; g/kg; l/ml).*	**Consolidate and assess**

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Summer 1	**4 Place value** *Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit*	**4 Fractions** *-Round decimals with two decimal places to the nearest whole number and to one decimal place.* *- Read, write, order and compare numbers with up to three decimal places.*	**5 Fractions** *Recognise the percent symbol (%) and understand that per cent relates to 'number of parts per hundred' and write percentages as a fraction with denominator 100, and as a decimal.*	**6 Multiplication and division** *Recognise and use square numbers and cube numbers, and the notation for square^2 and cubed^3.*	**4 Addition & Subtraction** *Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.*	**4 Measures Time** *Solve problems involving converting between units of time.*
Summer 2	**5 Place value** *Round any number up to 1,000,000 to the nearest 10, 100, 1000, 10000 or 100000*	**5 Addition & Subtraction** *Consolidate Addition and Subtraction using columnar addition and subtraction*	**2 Statistics and measures** *Solve comparison, addition and difference problems using information presented in a line graph*	**5 Measures Mass, volume & capacity** *Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.*	**5 Geometry Area and volume of shapes** *Consolidate and revise all Year 5 learning associated with geometry to include work on angles, translations and shape*	**Consolidate and assess**