MATHS		
	Place value & number	
	Calculation	
	Measures	
	Fractions & Decimals	
	Geometry Properties of shapes	
	Statistics	
	Geometry Position & direction	
	Algebra	
	Ratio	

Amount of Maths curriculum time allocated

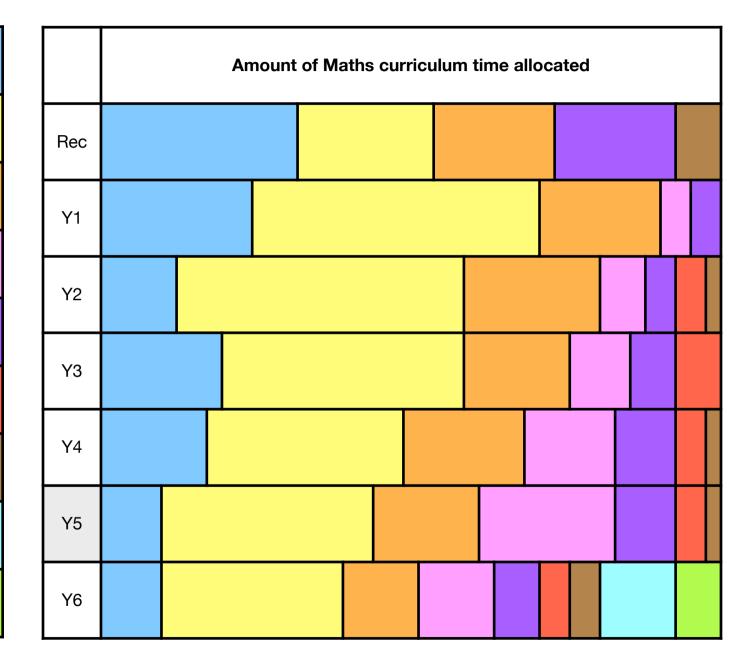|	
Rec	
Y1	
Y2	
Y3	
Y4	
Y5	
Y6	

Year 5 Interleaved Curriculum

Place value & number	Calculation	Measures	Fractions & Decimals	Geometry properties of shapes	Statistics	Geometry position & direction

Block 1

Place value & number	Calculation	Fractions & Decimals
• Read and write numbers up to 1,000,000 and determine the value of each digit • Compare numbers up to 1,000,000 and determine the value of each digit • Order numbers up to 1,000,000 and determine the value of each digit • Round whole numbers to degree of accuracy • Use negative numbers in context and calculate intervals across zero • Order negative numbers including temperature	• Perform mental calculations for addition (compensation/counting on/partitioning) • Perform mental calculations for multiplication including finding all factors, pairs of a number and common factors of two numbers • Multiply and divide numbers mentally drawing upon known facts • Solve addition and subtraction calculations including carrying up including six digits and mixed digits • Use the inverse to check calculations	• Identify the value of each digit in numbers up to 2 decimal places • Identify, name and write equivalent fractions of a given fraction • Compare decimal numbers up to 2 decimal places • Order decimal numbers, mixed decimal places • Order fractions including greater than 1 • Round decimals with 2 decimal places to whole numbers and nearest 1 decimal place

Block 2

Calculation	Measures	Fractions & Decimals
• Solve addition and subtraction multistep problems in contexts, deciding which operations to use and why • Short multiplication calculations (ThHTU x U) • Short division calculations including remainders (ThHTU ÷ U) • Long multiplication calculations (ThHTU x TU) • Solve whole number division problems involving short division, if required expressing remainder as a number, fraction or rounding depending on context • Solve whole number multiplication problems including SAT problems • Solve whole number division problems involving short division, if required expressing remainder as a number, fraction or rounding depending on context	• Use, read, write and cover between standard units of measure	• Add and subtract fractions with the same denominator • Multiply and divide by 10, 100 and 1,000 giving answers up to three decimal places • Add and subtract fractions with different denominators • Multiply proper fractions and mixed numbers by whole numbers • Recognise the percent symbol and understand that percent relates to number of parts per 100 • To know the fraction, decimal and percentage equivalents for 1/2, 1/3, 1/4, 1/5, 1/10, 1/100 • Write percentages as a fraction with denominator 100 and as a decimal • Know the fraction, decimal and percentage equivalents

Block 3

Place value & number	Calculation	Measures	Fractions & Decimals	Geometry properties of shapes
• Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals	• Calculate fractions of a whole number • Solve word problems which require finding fractions of numbers • Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers • Can recall all prime numbers under 20 and work out those under 100 • Recognise and use square numbers and cubed numbers and the notation for squared and cubed • Solve long division calculation questions.	• Use, read, write and cover between standard units of measure • Solve problems involving calculation and conversion of units of measure (including time, length, mass and money) • Measure and calculate the perimeter of composite rectilinear shapes in cm and m. • Calculate and compare the area of rectangles (including squares) and including using standard units, square cm^2 and square metre m^2 • Can answer problems that involve calculating area including missing number	• To know the fraction, decimal and percentage equivalents	• Know that angles are measured in degrees: estimate and compare acute, obtuse and reflex angles • Draw given angles and measure them in degrees • Identify angles at a point and in one whole turn, angles on a straight line and 1/2 turn total 180 and other multiples of 90

Block 4

Measures	Fractions & Decimals	Geometry properties of shapes	Statistics	Geometry position & direction
• Estimate volume • Estimate volume and capacity	• Read and write decimal numbers as fractions (0.71 = 71/100) • Solve decimal word problems problems up to 3 decimal places	• Use properties of rectangles to deduce related facts and find missing lengths and angles • Distinguish between regular and irregular polygons based on reasoning about equal sides and angles	• Complete, read and interpret information tables • Read and answer questions relating to bar graphs and tables • Read and answer questions relating to line graphs. • Complete, read and interpret times tables	• Read coordinates in the first quadrant and identify, describe and represent the position of a shape using appropriate language • Follow a reflection or translation using appropriate language and know that the shape has not changed