MATHS		
	Place value & number	(blue)
	Calculation	(yellow)
	Measures	(orange)
	Fractions & Decimals	(pink)
	Geometry Properties of shapes	(purple)
	Statistics	(red)
	Geometry Position & direction	(brown)
	Algebra	(cyan)
	Ratio	(green)

Amount of Maths curriculum time allocated

Rec	
Y1	
Y2	
Y3	
Y4	
Y5	
Y6	
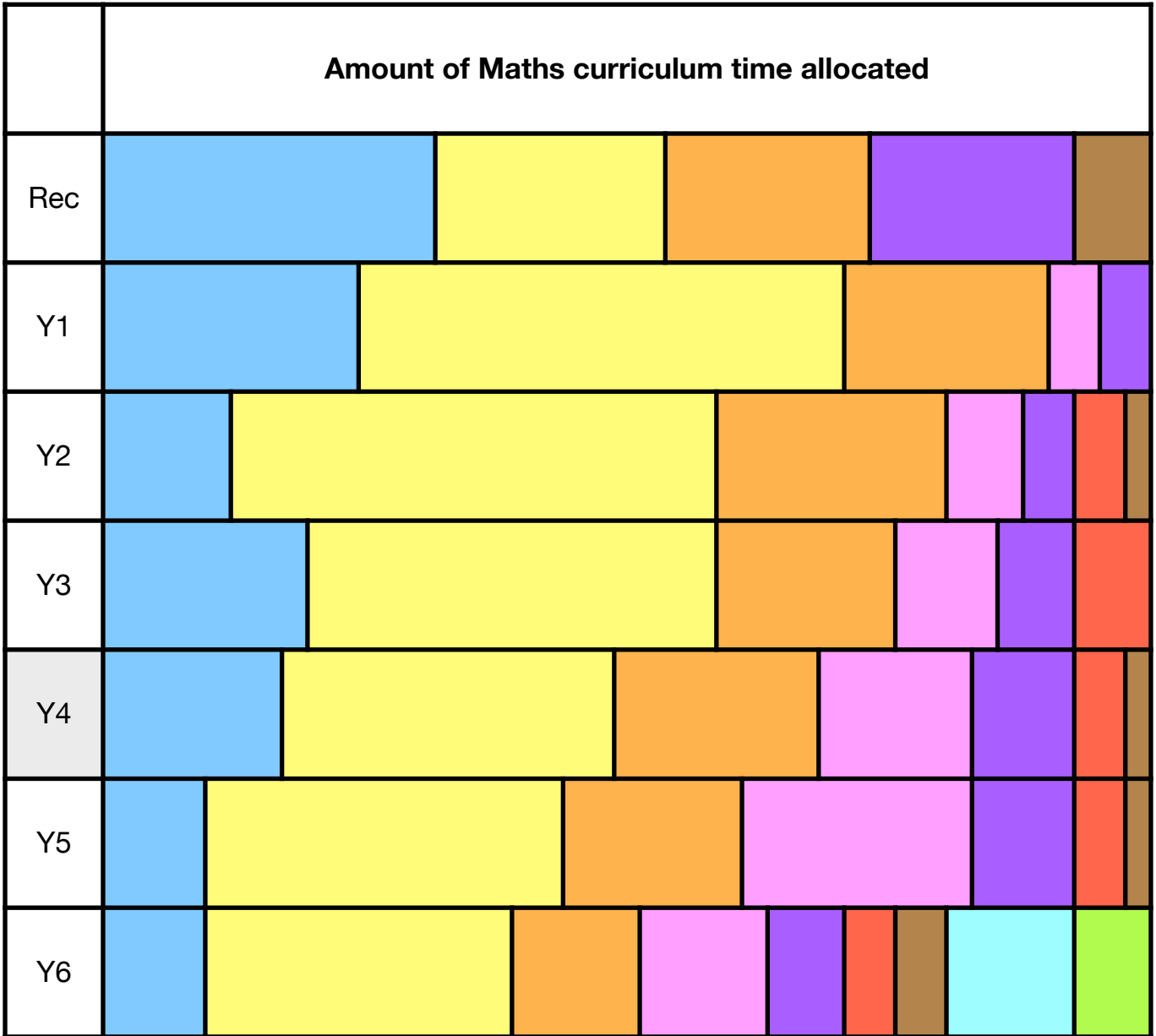
Year 4 Interleaved Curriculum

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 10,000 and determine the value of each digit • Identify, represent and estimate numbers using different representations • Compare numbers up to 10,000 and determine the value of each digit • Order numbers up to 10,000 and determine the value of each digit • Find 1,000 more or less than a given number and count in multiples of 25 • Round any number (up to 9,999) to the nearest 10 • Round any number (up to 9,999) to the nearest 100 • Round any number (up to 9,999) to the nearest 1000 • Count backward though zero to include negative numbers	• Solve addition and subtraction calculation questions up to 4 digits • Estimate and use the inverse operation to check answers to a calculation • Use the inverse to calculate addition and subtraction missing number problems	• Count up and down in hundredths, recognise that hundredths arise when dividing 1 by 100 and tenths by 10 • Recognise and write decimal equivalents of any number of tenths and hundredths • Find the effect of dividing 1 & 2 digit numbers by 10 and 100 identifying the values of the digits • Compare numbers with the same number of decimal places (up to 2 decimal places) • Round decimals with 1 decimal place to the nearest whole number

Block 2

Calculation	Measures	Fractions & Decimals
• Use the inverse to solve multiplication and division missing number questions • Use place value, known and derived facts to multiply and divide mentally (including multiplying by 0 and 1); multiplying three numbers • Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why • Recognise and use factor pairs and commutativity in mental calculations • Multiply two digit and three digit numbers by a one digit number using the formal written layout • Solve problems involving multiplying and adding including using the distributive law to multiply two digit numbers by one digit	• Measure and calculate the perimeter of a rectilinear figure (including squares) in cm and m • Find the area of rectilinear shapes by counting squares • Solve problems involving increasingly harder fractions to calculate quantities and fractions to divide quantities including non unit fractions	• Recognise and show, using diagrams, families of common equivalent fractions • Add and subtract fractions with the same denominator • Calculate fractions of a number using place value and times tables eg. 1/5 of 200 • Solve problems involving increasingly harder fractions to calculate quantities and fractions to divide quantities including non unit fractions

Block 3			
Calculation	**Measures**	**Fractions & Decimals**	**Geometry properties of shapes**
• Complete short division calculations 2 and 3 digit by 1 digit using the formal method • Solve whole number problems that involve 2 or 3 steps that involve a combination of the four operations	• Convert between different units of measure (for example km to m, hour to minutes) • Estimate, compare and calculate different measures, including money in pounds and pence • Read, write and convert time between analogue and digital 12 and 24 hour clocks • Solve problems, involving converting hours to minutes, minutes to seconds, years to months; weeks to days	• Divide 1 and 2 digit whole numbers by 10 and 100 • Recognise decimal equivalents of any number of tenths and hundredths • Recognise and write decimal equivalents to 1/4, 1/2, 3/4 • Compare numbers with the same number of decimal places up to 2 decimal places	• Compare and classify geometric shapes, including quadrilaterals and triangles based on their properties and sizes • Identify lines of symmetry in 2D shapes represented in different orientations • Complete simple symmetric figure with respect to a specific line of symmetry

Block 4				
Calculation	**Measures**	**Geometry properties of shapes**	**Statistics**	**Geometry position & direction**
• Solve whole number problems that involve 2 or 3 steps that involve a combination of the four operations	• Convert between different units of measure (for example km to m, hour to minutes • Read, write and convert time between analogue and digital 12 and 24 hour clocks • Solve problems, involving converting hours to minutes, minutes to seconds, years to months; weeks to days	• Identify acute and obtuse angles with a range of shapes • Compare and order angles up to two right angles by size • To read Roman numerals 1-100 • Measure angles accurately using a protractor	• Interpret and present discrete and continuous data using appropriate graphical methods - bar charts, time graphs and line graphs • Solve comparison, sum and difference problems using information presented in tables, bar charts and pictograms	• Describe positions on a 2D grid as coordinates in the first quadrant • Describe movements between positions as transitions of a given unit to the left/right and up/down • Plot specified points and draw sides to complete a given polygon