Highfield Year 5 Curriculum Map

6	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
English	Narrative settings Diary writing Biography Instructions Recount poetry Play scripts Film narrative		Journalistic writing Poetry Non Chronological reports Recount Persuasive Explanation		Narrative myths and legends Stories from other cultures Discursive writing Instructional writing biography Persuasive Letter writing	
Educational Visits and in-school visitors	Murton Park		Hinhu Temple Bridge Man	Malham		Steel Pans
Science	All living things and their habitats	Animals including humans	Properties and changes of materials		Earth and Space	Forces
Pond	Seasonal pond work					
Computing	How the internet and networks work (6wks)	Saving as a PDF file Using iPads	Web Research iPads	Scratch Counting Machine Scratch Coins	Using Publisher (posters/leaflets for The Summer Fair)	Lego Wedo Fairgrounds (replacement of school trip)
History	Life for Children in WW2		Changes to Britain in The Stone Age and Iron Age		Ancient Greece	
Geography			Rivers (north and South American) Local river study Malham		Europe European Union including trade, parliament and Fair Trade	

Art	Art Deco Design and Modernism	Rivers including textiles	Greek Pots and Patterns

DT and Cooking and Nutrition			Bridges			Fairground Wheels
	WW2 Biscuits			Spring Biscuits		European Foods

RE	War and Suffering	Hinduism and Belief	Race and Diversity	Ottobah Cuguano

PHSCE	Rights Responsibilies and Rules	Me and My Friends	Work related learning and enterprise	Living in a diverse world	SRE Heart Start GRTH month

PE	Co-ordination – ball skills Net, court, wall games	Static Balance Flight	Dynamic Balance RiverDance-The Moldau	Static Balance Bridges	Static Balance Striking and Fielding	Agility – ball chasing Athletics Unit

French					

Music	WW 2 songs Christmas Performance	River songs	The Moldau composition	Music from Europe including Gypsy and Roma travellers	Steel pans

Maths	Subject Area	Focus	Year 5
	Number	**Number and Place Value**	• Read, write, order and compare numbers to at least 1,000,000 and determine place value • Count forwards/backwards in steps of powers of 10 up to 1,000,000 • Interpret negative numbers; count forwards/backwards through positive and negative numbers • Round numbers up to 1,000,000 to the nearest 10, 100, 1000, 10,000 and 100,000 • Solve larger number and practical problems** • Read Roman numerals to 1000 and years
		Addition and Subtraction	• Add and subtract numbers with more than 4 digits including using formal written methods (column) • Add and subtract mentally with increasingly larger numbers • Use rounding to check answers and determine the levels of accuracy • Solve multi-step addition and subtraction problems in contexts, deciding methods/operations to use and why
		Multiplication and Division	• Identify multiples and factors. Including finding all factor pairs of a number and common factors of two numbers

			• Know and use the vocabulary of prime numbers, prime factors and composite numbers • Establish whether a number up to 100 is prime; recall prime numbers up to 19 • Multiply numbers up to four-digits by a one or two-digit number using a formal written method including long multiplication • Multiply and divide numbers mentally using known facts • Divide numbers up to four-digits by a one-digit number using the formal written method of short division and interpret remainders • Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 • Recognise and use square and cube numbers and their notations (^{2} and ^{3}) • Solve problems involving multiplication and division including scaling by simple fractions and involving simple rates
		Fractions (including Decimals and Percentages)	• Compare and order fractions whose denominators share the same multiple • Identify, name and write equivalent fractions of a given fraction, including tenths and hundredths • Recognise mixed numbers and improper fractions; convert from one form to the other and write mathematical statements • Add and subtracts fractions with the same denominator or with a shared multiple • Multiply proper fractions and mixed numbers by whole numbers • Read and write decimal numbers as fractions • Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents • Round decimals with two decimal places to the nearest whole number and to one decimal place • Read, write, order and compare numbers to three decimal places • Solve problems up to three decimal places • Recognise the percent (%) symbol and understand that per cent relates to 'number of parts per hundred' • Write percentages as a fraction with denominator 100 and as a decimal • Solve problems which involve percentage and decimal equivalents of ½, ¼, 1/5, 2/5, 4/5 and fractions with a denominator of a multiple of 10 or 25
		Ratio and Proportion	
		Algebra	
	Measurement		• Convert between different units of metric measure • Understand and use approximate equivalences between metric units and common imperial units • Measure and calculate the perimeter of composite rectilinear shapes in cm and m • Calculate and compare the area of rectangles using standard units, cm^2, m^2, and estimate the area of irregular shapes • Estimate volume and capacity • Solve problems involving converting between units of time • Use all four operations to solve problems involving measure using decimal notation, including scaling

Geometry	Properties of Shapes	• Identify 3-D shapes including cubes and other cuboids from 2-D representations
		• Know angles are measured in degrees; estimate and compare acute, obtuse and reflex angles
		• Draw given angles and measure them in degrees (^{o})
		• Identify; angles at a point of one whole turn, angles at a point and half a turn, other multiples of 90°
		• Use the properties of rectangles to deduce related facts and find missing lengths and angles
		• Distinguish between regular and irregular polygons based on equal sides and angles
	Position and Direction	• 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
Statistics		• Solve comparison, sum and difference problems using information presented in a line graph
		• Complete, read and interpret information in tables, including timetables