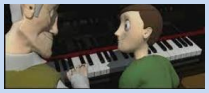
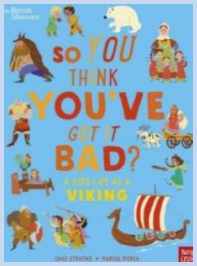
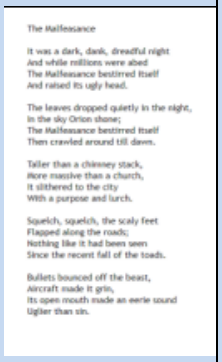
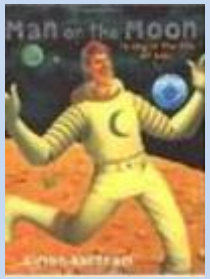
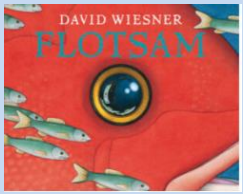
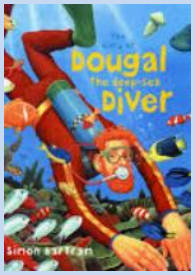
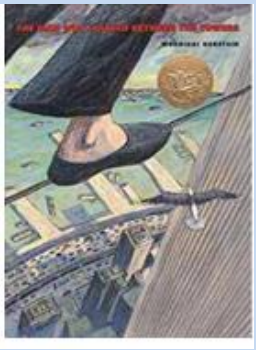
YEAR 5 CURRICULUM OVERVIEW

NORTH WALKDEN PRIMARY SCHOOL

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
ENGLISH **Core texts**	 The Piano Film clip 	  The Malfeasance It was a dark, dank, dreadful night And while millions were abed The Malfeasance bestirred itself And raised its ugly head. The leaves dropped quietly in the night, In the sky Orion shone; The Malfeasance bestirred itself Then crawled around till dawn. Taller than a chimney stack, More massive than a church, It slithered to the city With a purpose and lurch. Squelch, squelch, the scaly feet Flapped along the roads; Nothing like it had been seen Since the recent fall of the toads. Bullets bounced off the beast, Aircraft made it grin, Its open mouth made an eerie sound Uglier than sin.	  Film clip	  The Bubble film clip from Literacy Shed 	 The Ridge by Danny Macgaskill Film clip from Literacy Shed	 A selection of recipes and information leaflets about healthy eating.

Writing genres covered throughout the year	Descriptions, instructions, narrative, informative, poetry, recounts, explanations, persuasion, letter, newspaper report

MATHS			
Programme of study (Statutory requirements)- Most children will			
Data • interpret and construct pie charts and line graphs and use these to solve problems • calculate and interpret the mean as an average. **Measures** • convert between different units of measure (e.g. kilometre and metre; metre and centimetre; centimetre and millimetre; kilogram and gram; litre and millilitre) • understand and use basic equivalences between	**Number, place value, approximation and estimation** • read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit • count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 • interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero • round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 • solve number problems and practical problems that involve all of the above • read Roman numerals to 1000 (M) and recognise years written in Roman numerals.	**Addition and subtraction** • add and subtract whole numbers with more than 4 digits, including using efficient written methods (columnar addition and subtraction) • add and subtract numbers mentally with increasingly large numbers • use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy • solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. **Multiplication and division** • identify multiples and factors, including finding all factor pairs	**Geometry-property of shape** • identify 3-D shapes, including cubes and cuboids, from 2-D representations • know angles are measured in degrees; estimate and measure them and draw a given angle, writing its size in degrees • identify: multiples of 90^{o} angles at a point on a straight line and ½ a turn (total 180^{o}) angles at a point and one whole turn (total 360^{o})

metric and common imperial units and express them in approximate terms measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes recognise and estimate volume (e.g. using 1 cm3 blocks to build cubes and cuboids) and capacity (e.g. using water) solve problems involving converting between units of time solve problems involving addition and subtraction of units of measure (e.g. length, mass, volume, money) using decimal notation.	**Fractions** • compare and order fractions whose denominators are all multiples of the same number • recognise mixed numbers and improper fractions and convert from one form to the other • add and subtract fractions with the same denominator and related fractions; write mathematical statements >1 as a mixed number (e.g. 2/5 + 4/5 = 6/5 = 11/5) • multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. **Decimals and fractions** • read and write decimal numbers as fractions (e.g. 0.71 = 71/100) • 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 with up to three decimal places • solve problems involving number up to three decimal places. **Decimals, fractions and percentages** • recognise the per cent symbol (%) and understand that per cent relates to “number of parts per hundred”, and write percentages as a	solve problems involving multiplication and division where larger numbers are used by decomposing them into their factors know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers establish whether a number up to 100 is prime and recall prime numbers up to 19 multiply numbers up to 4 digits by a one- or two-digit number using an efficient written method, including long multiplication for two-digit numbers multiply and divide numbers mentally drawing upon known facts divide numbers up to 4 digits by a one-digit number using the efficient written method of short division and interpret remainders appropriately for the context multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.	reflex angles, and compare different angles • draw shapes using given dimensions and angles • state and use the properties of a rectangle (including squares) to deduce related facts • distinguish between regular and irregular polygons based on reasoning about equal sides and angles. **Geometry-position, direction, motion** • 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.

	fraction with denominator hundred, and as a decimal fraction		

	solve problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those with a denominator of a multiple of 10 or 25.		

YEAR 5						
	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
HISTORY	British History 4: Were the Vikings raiders, traders or something else?		British History 5: What was life like in Tudor England?		What did the Greeks ever do for us?	
GEOGRAPHY		What is life like in the Alps?		Why do oceans matter?		Would you like to live in the desert?
ART	**Sculpture & 3D:** Interactive installation		**Drawing:** I need space		**Painting & Mixed Media:** Portraits	

DESIGN TECHNOLOGY		Electrical Systems: Doodlers		Mechanical Systems: Making a pop-up book		Cooking & Nutrition: Developing a recipe

SCIENCE	**Materials:** Mixtures & Separation	**Materials:** Properties & Changes	**Forces & Space:** Earth & Space	**Living Things:** Life cycles & reproduction	**Forces & Space:** Unbalanced forces	**Animals, including humans:** Timeline **Making Connections:** Does the size of an asteroid affect the diameter of its impact crater?
COMPUTING	**Digital Literacy:** Online safety	**Computer Science:** Coding	**Computer Science:** Game creator/3D modelling	**Information Technology:** Micro bits	**Information Technology:** Spreadsheets	**Information Technology:** Word processing
MUSIC	Front Row Music Learning to play an instrument	Front Row Music Learning to play an instrument	Front Row Music Learning to play an instrument	Blues	Looping & Remixing	Musical Theatre

RE	Why do some people think God exists?	What would Jesus do? Can we live by the values of Jesus in the 21st Century?	What does it mean to be a Muslim in Britain today?	What matters most to Christians and Humanists?	If God is everywhere, why do we go to a place of worship?	Green religion – How and why should religious communities do more to care for the Earth?
PSHE	Family & Relationships	Family & Relationships Health & Wellbeing	Health & Wellbeing Safety & the Changing Body	Safety & the changing body Citizenship	Citizenship Economic Wellbeing	Economic Wellbeing Transition
PE	Invasion games Swimming	Dance Swimming	Gymnastics	Net and wall games	Strike and field games	Athletics

MODERN FOREIGN LANGUAGE: FRENCH	Core Vocabulary Units Year 5 and Coverage: • Les Instructions (Class Commands) • Les Jours (Days of the Week) • Les Mois (Months of the Year) • Les Nombres (Numbers) • Le Phonetique (Phonics and Pronunciation) Lesson 3 and 4 • Les Salutations (Salutations) • Joyeux Noel (Christmas)	Intermediate Language Teaching: La Date	Intermediate Language Teaching: Quel Temp fait il?	Intermediate Language Teaching: Les Vetements	Intermediate Language Teaching: Les Habitats	Intermediate Language Teaching: Boucle d'Or Et Les Trois Ours