YEAR 6 CURRICULUM OVERVIEW

NORTH WALKDEN PRIMARY SCHOOL

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
ENGLISH **Core texts**	Narrative – The Graveyard Book by Neil Gaiman Non-chronological reports – The Origin of Species by Sabina Radeva Poetry – Hope-lo-docus by Greg James & Chris Smith		Narrative – The Journey by Francesca Sanna Newspaper report – Goldilocks Non-chronological report – Everest by Sangma Francis Recount – trip or Condover		Narrative – Hansel & Gretel by Neil Gaiman Blog – Pet Peeves Poetry – Moth by Isabel Thomas Descriptive writing	
Writing genre covered throughout the year	Narrative, information texts, poetry, newspaper report, recount, blog, descriptive writing.					

MATHS
<u>Programme of study (Statutory requirements)- Most children will</u>

Statistics • interpret and construct pie charts and line graphs and use these to solve problems • calculate and interpret the mean as an average. **Measures** • solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate • use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and	**Number, place value, approximation and estimation** • read, write, order and compare numbers up to 10 000 000 and determine the value of each digit • round any whole number to a required degree of accuracy • use negative numbers in context, and calculate intervals across zero • solve number and practical problems that involve all of the above. **Decimals, fractions and percentages** • use common factors to simplify fractions; use common multiples to express fractions in the same denomination	**Addition and subtraction** • multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication • divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context • divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context	**Geometry-property of shape** • draw 2-D shapes using given dimensions and angles • recognise, describe and build simple 3-D shapes, including making nets • compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons

vice versa, using decimal notation to up to three decimal places convert between miles and kilometres recognise that shapes with the same areas can have different perimeters and vice versa recognise when it is possible to use formulae for area and volume of shapes calculate the area of parallelograms and triangles calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm3) and cubic metres (m3), and extending to other units [for example, mm3 and km3].	compare and order fractions, including fractions > 1 add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$] divide proper fractions by whole numbers [for example, $\frac{1}{3} \div 2 = \frac{1}{6}$] associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$] identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places multiply one-digit numbers with up to two decimal places by whole numbers use written division methods in cases where the answer has up to two decimal places	• perform mental calculations, including with mixed operations and large numbers • identify common factors, common multiples and prime numbers • use their knowledge of the order of operations to carry out calculations involving the four operations • solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why • solve problems involving addition, subtraction, multiplication and division • use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy. **Ratio and Proportion** • solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts • solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison	• illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius • recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. **Geometry-position and direction** • describe positions on the full coordinate grid (all four quadrants) • draw and translate simple shapes on the coordinate plane, and reflect them in the axes. **Algebra** • use simple formulae • generate and describe linear number sequences • express missing number problems algebraically

	solve problems which require answers to be rounded to specified degrees of accuracy recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.	solve problems involving similar shapes where the scale factor is known or can be found solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.	find pairs of numbers that satisfy an equation with two unknowns enumerate possibilities of combinations of two variables.

YEAR 6						
	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
HISTORY	What can the census tell us about the local area?		British History 6: What was the impact of WW2 on the people of Britain?		Transition unit	
GEOGRAPHY		Why does population change?		Where does our energy come from?		Can I carry out an independent fieldwork enquiry?
ART	**Craft & Design:** Photo opportunity		**Drawing:** Make my voice heard		**Sculpture & 3D:** Making memories	

DESIGN TECHNOLOGY		**Textiles:** Waistcoats		**Structures:** Playgrounds		**Digital World:** Navigating the world
SCIENCE	**Living things:** Classifying big & small	**Energy:** Light & Reflection	**Living things:** Evolution & inheritance	**Energy:** Circuits, batteries & switches	**Animals:** Circulation & health	**Making Connections:** Are some sunglasses safer than others?
COMPUTING	**Digital Literacy:** Online safety	**Computer Science:** Coding & Binary	**Computer Science:** Text adventures	**Information Technology:** Quizzing/networks	**Information Technology:** Spreadsheets	**Information Technology:** Blogging
MUSIC	Dynamics,Pitch & Texture (Fingal's Cave)	Songs of WW2	Film Music	Theme & Variations (Pop Art)	Baroque	Composing & Performing a leaver's song
RE	What does it mean to be a Muslim in Britain today?	What do religions say to us when life gets hard?		Is it better to express your beliefs in arts and architecture or in charity and generosity?		What can be done to reduce racism? Can religion help?

PSHE	Family & Relationships	Health & Wellbeing	Health & Wellbeing Safety & the Changing Body	Safety & the Changing Body Citizenship	Citizenship Economic Wellbeing	Economic Wellbeing Identity Transition
PE	Invasion games	Dance	Gym	Net and wall games	Strike and field games	Athletics
MODERN FOREIGN LANGUAGES - FRENCH	<u>Core Vocabulary Units</u> <u>Year 5 and 6 Coverage:</u> • 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)	Progressive Language Teaching: A L'Ecole	Progressive Language Teaching: La Seconde Guerre Mondiale	Progressive Language Teaching: Le Week-end	Progressive Language Teaching: Manger Et Bouger	