

Year Plan - 5

2019/20

Subject	
Literacy	<p><u>Autumn Term</u></p> <ul style="list-style-type: none"> • Recount • Novels and stories by significant children's authors (Jungle book-Rudjard Kipling) • Older literature (Jungle book) • Dramatic conventions and performances • Classic poetry and Narrative poetry (London Snow, personification – Giant Thunder and a range of other poems) <p><u>Spring Term</u></p> <ul style="list-style-type: none"> • Persuasive writing (letter writing) • Newspaper reports (UFO reporting) • Traditional stories, fables, myths and legends (short spooky stories) • Instructions and explanation texts (inventions of the future) • Debates (cross curricular with Geography- South America and PSHE British politics) <p><u>Summer Term</u></p> <ul style="list-style-type: none"> • Recount (link to year 5 journey) • Persuasive writing – (advertising) • Poetic style (imagery of the sea) • Yr. 5 school journey and follow up work • Stories from other cultures (far away literature – Cloud tea monkey)

<p>Maths</p>	<p>Autumn Term:</p> <p>Number and place value: 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; round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000. Addition and subtraction: add and subtract numbers mentally with increasingly large numbers; solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. Properties of Shape: 3D shapes, including cubes and other cuboids, from 2D representations. Multiplication and division: multiply and divide numbers mentally drawing upon known fact; multiply and divide whole numbers by 10, 100 and 1000; multiply numbers up to 4 digits by one - digit number using a formal written method; recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3); 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 (non-prime) numbers; solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes;</p> <p>Fractions: compare and order fractions whose denominators are all multiples</p>
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of the same number; **Position and Direction:** identify, describe and represent the position of a shape following a translation, using the appropriate language, and know that the shape has not changed **Addition:** add whole numbers with more than 4 digits, including using formal written methods (columnar addition); use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy; **Decimals:** read and write decimal numbers as fractions [for example, $0.71 = 71/100$]; round decimals with two decimal places to the nearest whole number and to one decimal place; **Measurement (mass):** convert between different units of metric measure (gram and kilogram); understand and use approximate equivalences between metric units and common imperial units (such as pounds); use all four operations to solve problems involving measure [mass] using decimal notation, including scaling; solve problems involving converting between units of time

Spring Term:

Number and place value: read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit; round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000; interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero; **Addition and subtraction:** add and subtract numbers mentally with increasingly large numbers; add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction); Extend written methods +/- of two integers less than 10 000 and + and – of pair of decimals both with 1 or 2 decimal places: **Properties of shapes;** identify acute and obtuse angles and compare and order angles up to two right angles by size: Identify, estimate and order acute and obtuse angles. Use protractor to measure and draw acute and obtuse angles to 5° . Calculate angles in a straight line; **Multiplication and division;** divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context; **Fraction:** compare numbers with the same number of decimal places up to two decimal places; recognise and write decimal equivalents of any number of tenths or hundredths; recognise and write decimal equivalents to $1/4$; $1/2$; $3/4$; **Measurement (length);** convert between different units of measure (e.g. kilometre to metre; **Decimals;** interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs; **Statistics;** Percentages (including fractions and decimals); **Measurement (perimeter and area)**

Summer:

Number and place value; count and order numbers to at least 1 000 000 and determine the value of each digit; 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; 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 formal written methods (columnar addition and subtraction); add and subtract numbers mentally with increasingly large numbers; **Properties of shape;** use the properties of rectangles to deduce related facts and find missing lengths and angles; distinguish

	<p>between regular and irregular polygons based on reasoning about equal sides and angles; Multiplication and division, including Measurement (money) multiply numbers up to 4 digits by one - or twodigit number using a formal written method, including long multiplication for two-digit numbers; Fractions; recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $2/5 + 4/5 = 6/5 = 1$ and $1/5$]; multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams Measurement (volume and capacity); Measurement: understand and use approximate equivalences between metric units and common imperial units such as pints; Addition and subtraction, including Measurement (money); Percentages (including fractions and decimals); recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal; 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: complete, read and interpret information in tables, including timetables; solve comparison, sum and difference problems using information presented in a line graph.</p>
Science	<p><u>Autumn Term</u></p> <ul style="list-style-type: none"> • Properties and Changes of materials • Forces <p><u>Spring Term</u></p> <ul style="list-style-type: none"> • Forces • Earth & Space <p><u>Summer Term</u></p> <ul style="list-style-type: none"> • All living things and their habitats – life cycles □ • Animals including humans - reproduction
Computing	<p><u>Autumn Term</u></p> <ul style="list-style-type: none"> • Internet safety • We are photographers • We are cryptographers <p><u>Spring Term</u></p> <ul style="list-style-type: none"> • We are bloggers • We are game developers <p><u>Summer Term</u></p> <ul style="list-style-type: none"> • We are web developers • We are architects

History	<p><u>Autumn Term</u></p> <ul style="list-style-type: none"> • Anglo Saxons (1) <p><u>Spring Term</u></p> <ul style="list-style-type: none"> • Mayan Civilization (1) <p><u>Summer Term</u></p> <ul style="list-style-type: none"> • Crime and Punishment (2)
Geography	<p><u>Autumn Term</u></p> <ul style="list-style-type: none"> • The UK Mapping (2) <p><u>Spring Term</u></p> <ul style="list-style-type: none"> • Human and physical aspects for a region in south America – The Amazon Basin (similarities and differences) <p><u>Summer Term</u></p> <ul style="list-style-type: none"> • Physical Geography – Biomes/vegetation belts/natural resources
Art and Design	<p><u>Autumn Term</u></p> <ul style="list-style-type: none"> • Printing <p><u>Spring Term</u></p> <ul style="list-style-type: none"> • Mayan art and sculpture <p><u>Summer Term</u></p> <ul style="list-style-type: none"> • Landscape art
Design and Technology	<p><u>Autumn Term</u></p> <ul style="list-style-type: none"> • Making biscuits <p><u>Spring Term</u></p> <ul style="list-style-type: none"> • Design and Make a Hat <p><u>Summer Term</u></p> <ul style="list-style-type: none"> • We are bird scarer designers

RE	<p><u>The Way, the Truth and the Life</u></p> <p><u>Autumn term</u></p> <ul style="list-style-type: none"> • Gifts from God • The Commandments • Advent /Christmas <p><u>Spring term</u></p> <ul style="list-style-type: none"> • Inspirational People • Reconciliation • Lent/ Holy Week / Easter <p><u>Summer Term</u></p> <ul style="list-style-type: none"> • Life in the risen Jesus / Easter • People of other Faiths
Spanish	<p><u>Autumn Term</u></p> <ul style="list-style-type: none"> • Places in a town and directions <p><u>Spring Term</u></p> <ul style="list-style-type: none"> • The planets and reading a story in Spanish <p><u>Summer Term</u></p> <ul style="list-style-type: none"> • Music and musical instruments • Continents and rivers