

Year 5 Subject Map						
Subject	Autumn		Spring		Summer	
R.E.	Gifts from God	The Commandments	Inspirational People	Reconciliation	Life in the Risen Lord	People of Other Faiths
	The Tudors and Stuarts	The USA	Water	Rainforests	The Vikings	Africa
English	<p>Shakespeare - A Midsummer Night's Dream.</p> <p>Variety of Tudor and Stuart Non-Fiction texts.</p> <p>Harry Potter and the Philosopher's Stone</p> <p><u>Genres</u></p> <p>Setting and comparative setting, character description, diary entry, letter, narrative, play script, poetry, balanced argument, non-chronological report, information text, explanation text, newspaper report, instructions.</p>	<p>Harry Potter and the Philosopher's Stone</p> <p>USA variety of non-fiction texts</p> <p><u>Genres</u></p> <p>Setting and comparative setting, character description, diary entry, letter, narrative, play script, poetry, balanced argument, non-chronological report, information text, explanation text, newspaper report, instructions.</p>	<p>Kensuke's Kingdom- Michael Morpurgo.</p> <p>Variety of water related non-fiction texts.</p> <p><u>Genres</u></p> <p>Setting and comparative setting, character description, diary entry, letter, narrative, play script, poetry, balanced argument, non-chronological report, information text, explanation text, newspaper report, instructions.</p>	<p>Kensuke's Kingdom- Michael Morpurgo.</p> <p>Variety of rainforest related non-fiction texts.</p> <p><u>Genres</u></p> <p>Setting and comparative setting, character description, diary entry, letter, narrative, play script, poetry, balanced argument, non-chronological report, information text, explanation text, newspaper report, instructions.</p>	<p>The Saga Of Erik The Viking - Terry Jones.</p> <p>The Highway Man - Alfred Noyes.</p> <p>Variety of Viking related non-fiction texts.</p> <p><u>Genres</u></p> <p>Setting and comparative setting, character description, diary entry, letter, narrative, play script, poetry, balanced argument, non-chronological report, information text, explanation text, newspaper report, instructions.</p>	<p>Biography- Nelson Mandela.</p> <p>Variety of Africa related non-fiction texts</p> <p><u>Genres</u></p> <p>Setting and comparative setting, character description, diary entry, letter, narrative, play script, poetry, balanced argument, non-chronological report, information text, explanation text, newspaper report, instructions.</p>
Reading	<p>Apply their growing knowledge of root words, prefixes and suffixes (morphology and etymology), as listed in English Appendix 1, both to read aloud and to understand the meaning of new words that they meet.</p> <p>Recommending books that they have read to their peers, giving reasons for their choices</p> <p>Identifying and discussing themes and conventions in and across a wide range of writing</p> <p>Making comparisons within and across books</p> <p>Learning a wider range of poetry by heart</p>					

	<p>Preparing poems and plays to read aloud and to perform, showing understanding through intonation, tone and volume so that the meaning is clear to an audience</p> <p>Understand what they read by:</p> <p>Checking that the book makes sense to them, discussing their understanding and exploring the meaning of words in context</p> <p>Asking questions to improve their understanding</p> <p>Drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence</p> <p>Predicting what might happen from details stated and implied</p> <p>Summarising the main ideas drawn from more than one paragraph, identifying key details that support the main ideas</p> <p>Identifying how language, structure and presentation contribute to meaning</p> <p>Discuss and evaluate how authors use language, including figurative language, considering the impact on the reader</p> <p>Distinguish between statements of fact and opinion</p> <p>Retrieve, record and present information from non-fiction</p> <p>Participate in discussions about books that are read to them and those they can read for themselves, building on their own and others' ideas and challenging views courteously</p> <p>Explain and discuss their understanding of what they have read, including through formal presentations and debates, maintaining a focus on the topic and using notes where necessary</p> <p>Provide reasoned justifications for their views</p>					
Writing/SPaG	<p>We will teach the following objectives throughout the year:</p> <p>Converting nouns or adjectives into verbs using suffixes [for example, -ate; -ise; -ify]</p> <p>Verb prefixes [for example, dis-, de-, mis-, over- and re-]</p> <p>Relative clauses beginning with who, which, where, when, whose, that, or an omitted relative pronoun</p> <p>Indicating degrees of possibility using adverbs [for example, perhaps, surely] or modal verbs [for example, might, should, will, must]</p> <p>Devices to build cohesion within a paragraph [for example, then, after that, this, firstly]</p> <p>Linking ideas across paragraphs using adverbials of time [for example, later], place [for example, nearby] and number [for example, secondly] or tense choices [for example, he had seen her before]</p> <p>Brackets, dashes or commas to indicate parenthesis</p> <p>Use of commas to clarify meaning or avoid ambiguity</p> <p>Use further prefixes and suffixes and understand the guidance for adding them</p> <p>Spell some words with 'silent' letters [for example, knight, psalm, solemn]</p> <p>Continue to distinguish between homophones and other words which are often confused</p> <p>Use knowledge of morphology and etymology in spelling and understand that the spelling of some words needs to be learnt specifically, as listed in English Appendix 1</p> <p>Use dictionaries to check the spelling and meaning of words</p> <p>Use the first three or four letters of a word to check spelling, meaning or both of these in a dictionary</p> <p>Use a thesaurus.</p>					
Maths	<p>Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.</p>	<p>Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers.</p>	<p>Compare and order fractions whose denominators are all multiples of the same number.</p>	<p>Solve comparison, sum and difference problems using information presented in a line graph.</p>	<p>Multiplication and division- long multiplication, short division- contextualised- recap and revise- reasoning</p>	<p>Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0.</p>

	<p>Identify, represent and estimate numbers using the number line. Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000. Describe and extend number sequences including those with multiplication and division steps and those where the step size is a decimal. 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. Find 1, 10, 100, 1000 and other powers of 10 more or less than a given number than a given number. Identify, represent and estimate numbers using the number line. Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Identify the value of each digit to three decimal places. Read, write, order and compare numbers with up to three decimal places. Find 0.01, 0.1, 1, 10, 100, 1000 and other powers of 10 more or less than a given number. Count forwards and backwards in decimal steps. Describe and extend number sequences including those with multiplication and division steps and those where the step size is a decimal. Round decimals with two decimal places to the nearest whole number and to one decimal place. Read and write decimal numbers as fractions.</p>	<p>Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates. Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. 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. Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign. *Missing number sentences* Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes Identify multiples and factors inc. factor pairs and common factors. Know and use vocab. Of prime numbers, prime factors and composite numbers. Identify prime numbers up to 100. Recall prime numbers up to 19. Recognise square and prime numbers and use the notation for them.</p>	<p>Convert between mixed numbers and improper fractions and vice versa. <u>Add and subtract fractions with the same denominator, and denominators that are multiples of the same number</u></p> <p>Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.</p> <p>Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}, \frac{1}{4}, \frac{1}{5}, \frac{2}{5}, \frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25.</p> <p>Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign. *Missing number sentences* Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.</p> <p>Identify, describe and represent the position of a shape following a reflection or <u>translation</u>, using the appropriate language, and know</p>	<p>Complete, read and interpret information in tables, including timetables. Solve problems involving converting between units of time. Use the properties of rectangles to deduce related facts and find missing lengths and angles.</p> <p>Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints. Estimate volume [for example, using 1 cm³ blocks to build cuboids (including cubes)] and capacity [for example, using water] Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre) Read, write, order and compare numbers with up to three decimal places. Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.</p>	<p>Fractions, decimals and percentages- Revision. Multiplying, converting between fractions, decimals and percentages. Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place. Read, write, order and compare numbers with up to 3 decimal places. Calculate and compare the area of rectangles (including squares) including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes. Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Complete, read and interpret information in tables, including timetables. Identify 3D shapes, including cubes and other cuboids, from 2D representations.</p>	<p>They should recognise and describe linear number sequences (for example, 3, 3 1/2, 4, 4 1/2 ...), including those involving fractions and decimals, and find the term-to-term rule in words (for example, add 1/2). Pupils interpret non-integer answers to division by expressing results in different ways according to the context, including with remainders, as fractions, as decimals or by rounding (for example, 98 ÷ 4 = 98/4 = 24 r 2 = 24 1/2 = 24.5 ≈ 25). Area and perimeter. Work out percentages of amounts- discounts etc and apply them to real life word problems. -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- look at ratio.</p>
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	<p>Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.</p> <p>Solve problems involving number up to three decimal places.</p> <p>Add and subtract whole numbers with more than 4 digits and decimals with two decimal places, including using formal written methods (columnar addition and subtraction).</p> <p>Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method). Rounding to check and for accuracy.</p> <p>Use estimation and inverse to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</p> <p>Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.</p> <p>Draw given angles and measure them in degrees ($^{\circ}$).</p> <p>Distinguish between regular polygons based on reasoning about equal sides and angles.</p> <p>Use the properties of rectangles to deduce related facts and find missing lengths and angles.</p> <p>Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.</p> <p>Solve comparison, sum and difference problems using information presented in a line graph.</p>		<p>that the shape has not changed.</p> <p>Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.</p> <p>convert between different units of metric measure [for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre]</p> <p>Solve problems involving converting between units of time.</p>			
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	<p>Add and subtract numbers mentally with increasingly large numbers and decimals to two decimal places. Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method). Select a mental strategy appropriate for the numbers involved in the calculation. Solve comparison, sum and difference problems using information presented in a line graph. Add and subtract numbers mentally with increasingly large numbers and decimals to two decimal places. Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method). Select a mental strategy appropriate for the numbers involved in the calculation.</p>					
Science	<p><u>Properties and changes of Materials</u> Classify materials according to a variety of properties. Understand mixtures & solutions.</p>	<p><u>Properties and changes of Materials</u> Classify materials according to a variety of properties. Understand mixtures & solutions.</p>	<p><u>The Earth, Sun and Moon</u> Understand location and interaction of Sun, Earth & Moon and know the other planets of the solar system. Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.</p>	<p><u>Animals including Humans</u> Health and lifestyle, including the circulatory system, describing the heart, blood vessels and blood. Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.</p>	<p><u>Animals including Humans</u> Health and lifestyle, including the circulatory system, describing the heart, blood vessels and blood. Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.</p>	<p><u>All Living things and their Habitats</u> Life cycles of plants & animals (inc. mammal, insect, bird, amphibian). The life process and reproduction in some animals and plants. The changes as humans develop into old age.</p>

				<p>Describe how nutrients and water are carried through animals, including humans.</p>	<p>Describe how nutrients and water are carried through animals, including humans.</p> <p><u>All Living things and their Habitats</u></p> <p>Life cycles of plants & animals (inc. mammal, insect, bird, amphibian).</p> <p>The life process and reproduction in some animals and plants.</p> <p>The changes as humans develop into old age.</p> <p>Describe changes as humans develop & mature.</p>	<p>Describe changes as humans develop & mature.</p>
<p>Working Scientifically: to be covered throughout the year</p>	<p>Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.</p> <p>Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.</p> <p>Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.</p> <p>Using test results to make predictions to set up further comparative and fair tests.</p> <p>Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.</p> <p>Identifying scientific evidence that has been used to support or refute ideas or arguments.</p>					

Design and Technology			<u>Solar system model</u> Apply understanding of how to strengthen, stiffen and reinforce structures.	<u>What would a journey through your body be like?</u> Understand and apply the principles of a healthy and varied diet.	<u>Viking Longboat</u> Apply understanding of how to strengthen, stiffen and reinforce structures.	<u>African Tribal Jewellery</u>
<p>Design: Use research & criteria to develop products which are fit for purpose and aimed at specific groups. Use annotated sketches, cross-section diagrams & computer-aided design.</p> <p>Make: Select from a wide range of tools and equipment to perform practical tasks. Select from a wide range of materials and components.</p> <p>Evaluate: Analyse & evaluate existing products and improve own work. Understand key events and individuals in the world of design.</p>						
Art and Design	<u>Tudor Rose Clay Tiles</u> Use sketchbooks to collect, record, review, revisit & evaluate ideas. Improve mastery of techniques such as drawing, painting and sculpture with varied materials. Learn about great artists, architects & designers.	.	<u>Monet- Watercolours</u> Use sketchbooks to collect, record, review, revisit & evaluate ideas. Improve mastery of techniques such as drawing, painting and sculpture with varied materials. Learn about great artists, architects & designers.	<u>Rainforest Leaf Printing</u> Use sketchbooks to collect, record, review, revisit & evaluate ideas. Improve mastery of techniques such as drawing, painting and sculpture with varied materials. Learn about great artists, architects & designers.		
Computing	Design & write programs to solve problems. Use sequences, repetition, inputs, variables and outputs in programs. Detect & correct errors in programs. Understand uses of networks for collaboration & communication. Be discerning in evaluating digital content. Use technology safely, respectfully and responsibly. Select, use and combine a variety of software.					
Geography		<u>The USA</u> Locate the world's countries using maps. Concentrate upon	<u>Water</u> Locate the world's countries using maps.	<u>Rainforests</u> Locate the world's countries using maps. Concentrate upon their		<u>Africa</u> Locate the world's countries using maps. Concentrate upon their

		<p>their environmental regions, key physical and human characteristics and major cities.</p> <p>Identify similarities and differences of countries using key human and physical geographical features.</p> <p>Locate key physical and human geographical features of a chosen country/area of the world.</p> <p>Understand: economic activity including trade links.</p> <p>Use maps, atlases and globes to locate countries in the world.</p>	<p>Identify similarities and differences of countries using key human and physical geographical features.</p> <p>Locate key physical and human geographical features of a chosen country/area of the world.</p> <p>Understand: rivers, mountains and the water cycle.</p> <p>Use maps, atlases and globes to locate countries in the world.</p>	<p>environmental regions, key physical and human characteristics and major cities.</p> <p>Locate key physical and human geographical features of a chosen country/area of the world.</p> <p>Understand: climate zones, biomes and vegetation belts, rivers, mountains and the water cycle.</p> <p>Understand: types of settlement and land use. Use maps, atlases and globes to locate countries in the world.</p>		<p>environmental regions, key physical and human characteristics and major cities.</p> <p>Identify similarities and differences of countries using key human and physical geographical features.</p> <p>Locate key physical and human geographical features of a chosen country/area of the world.</p> <p>Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, The Tropics of Cancer and Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones.</p>
History	The Tudors and Stuarts				The Viking and Anglo- Saxon	

	A study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066.				struggle for the kingdom of England to the time of Edward the Confessor.	
MFL	A Manger et a boire		Les sports		Les vetements	
	Listen & engage. Engage in conversations, expressing opinions. Speak in simple language & be understood. Develop appropriate pronunciation. Present ideas & information orally. Show understanding in simple reading. Adapt known language to create new ideas. Describe people, places & things. Understand basic grammar, e.g. gender.					
Music	To understand basic rhythms and tablature (guitar notation) Songs for Christmas performances.		To understand how to play faster rhythms.	To be able to perform compositions.	To understand how to be able to include rests into a performance.	Performance showcasing all skills acquired.
P.E.	Fitness	Gymnastics	Break Dance	Tennis	Athletics	Cricket
	Use running, jumping, catching and throwing in isolation and in combination. Play competitive games, applying basic principles. Develop flexibility & control in gym, dance & athletics. Take part in Outdoor & Adventurous activities. Compare performances to achieve personal bests. Swimming proficiency at 25m (KS1 or KS2).					