

Year 6 curriculum map 2024-2025

	<u>Term 2</u>	<u>Term 3</u>	<u>Term 4</u>	<u>Term 6</u>	<u>Term 5</u>	<u>Term 1</u>
<u>Topic</u>	<u>Hola Mexico</u>  <u>Light Theory</u>	<u>Frozen kingdom</u>  <u>Can we slow cooling down?</u>	<u>A Child's War</u>	<u>Maafa</u>  <u>Electrical Circuits</u>	<u>Our Changing World</u>	<u>Blood Heart</u>
<u>Mathematics</u>	Place Value -Numbers to 1,000,000 and 10,000,000 -Read and write numbers to 10,000,000 -Powers of 10 -Number line to 10,000,000 -Compare, order and round any integer -Negative numbers 6-NPV-1, 6-NPV-2, 6-NPV-3, 6-NPV-4  Addition, Subtraction, Multiplication & Division -Add and subtract integers -Common factors and multiples	Fractions -Equivalent fractions and simplifying -Equivalent fractions on a number line -Compare and order fractions (numerator and denominator) -Add and subtract simple fractions and mixed numbers -Multi-step problems 6-F-1, 6-F-2, 6-F-3  Fractions -Multiply fractions by integers and fractions -Divide fractions by an integer -Mixed questions with fractions -Fractions of an amount, including finding the whole	Fractions, Decimals and Percentages -Fractions to percentages -Equivalent fractions, decimals and percentages -Order fractions, decimals and percentages -Percentages of an amount -Percentages to find a missing value  Algebra -Find a rule (one and two step) -Forming expressions and equations -Substitution -Formulae	Perimeter, Area & Volume -Shapes (same area) -Area and perimeter -Area of a triangle -Area of a parallelogram -Volume (counting cubes) -Volume of a cuboid 5-G-2  Ratio -Ratio language -Ratio and fractions -Ratio symbol -Calculating ratios -Using scale factors -Calculating scale factors -Ratio and proportion problems 6-AS/MD-3  Statistics	SATs Consolidation	Themed Projects, Consolidation and Problem Solving

	<ul style="list-style-type: none"> <li>-Rules of divisibility</li> <li>-Primes to 100</li> <li>-Square and cube numbers</li> <li>-Multiply up to a 4-digit number by a 2-digit number</li> <li>-Solve problems with multiplication and division</li> <li>-Short division and using factors</li> <li>-Long division including remainders</li> <li>-Solve multi-step problems</li> <li>-Order of operations</li> <li>-Mental calculations and estimation</li> <li>-Reason from known facts</li> <li>6-AS/MD-1, 6-AS/MD-2</li>   <li>Decimals</li> <li>-Three decimal places</li> <li>-Multiply and divide by 10, 100 and 1000</li> <li>-Multiply and divide decimals by integers</li> <li>-Division to solve problems</li> <li>-Decimals as fractions</li> </ul>	<p>6-F-1, 6-F-2, 6-F-3</p> <p>Position &amp; Direction</p> <ul style="list-style-type: none"> <li>-The first quadrant</li> <li>-The four quadrants</li> <li>-Translations</li> <li>-Reflections</li> </ul>	<ul style="list-style-type: none"> <li>-Solve simple one and two step problems</li> <li>-Find pairs of values</li> <li>-Enumerate possibilities</li> <li>6-AS/MD-4</li>   <li>Converting Units</li> <li>-Metric measures</li> <li>-Convert metric measures</li> <li>-Calculate with metric measures</li> <li>-Miles and kilometres</li> <li>-Imperial measures</li> <li>6-NPV-4</li> </ul>	<ul style="list-style-type: none"> <li>-Read and interpret line graphs</li> <li>-Draw line graphs</li> <li>-Use line graphs to solve problems</li> <li>-Circles</li> <li>-Read and interpret pie charts</li> <li>-Pie charts with percentages</li> <li>-Draw pie charts</li> <li>-The mean</li> <li>6-NPV-4</li>   <li>Properties of Shape</li> <li>-Measure with a protractor</li> <li>-Introduce angles</li> <li>-Calculate angles</li> <li>-Vertically opposite angles</li> <li>-Angles in a triangle (including special cases and missing angles)</li> <li>-Angles in special quadrilaterals</li> <li>-Angles in regular polygons</li> <li>-Draw shapes accurately</li> <li>-Draw nets of 3D shapes</li> <li>6-G-1</li> </ul>		
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--

	-Converting between fractions and decimals 6-NPV-1, 6-NPV-2					
<b><u>Science</u></b>	Name and describe the purpose of the circulatory system and the functions of the heart, blood vessels and blood.	Light	Observe and measure how water cools then examine the effect insulation has on slowing the cooling.		Climate Change  Investigation unit	Electrical Circuits and components
<b><u>Phonics</u></b>	Little Wandle					
<b><u>ICT</u></b>	<p><b><u>Coding</u></b></p> <p>-Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. (CS)</p> <p>-Use sequence, selection and repetition in programs; work with variables and various forms of input and output. (CS)</p> <p>-Use logical reasoning to</p>	<p><b><u>Online Safety</u></b></p> <p>-Understand computer networks, including the Internet; how they can provide multiple services, such as the World Wide Web; and the opportunities they offer for communication and collaboration. (CS)</p> <p>-Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content. (IT)</p> <p>-Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable</p>	<p><b><u>Spreadsheets</u></b></p> <p>-Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and Content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. (IT)</p> <p>-Design, write and</p>	<p><b><u>Blogging</u></b></p> <p>-Understand computer networks, including the Internet; how they can provide multiple services, such as the World Wide Web; and the opportunities they offer for communication and collaboration. (CS)</p> <p>-Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and</p>	<p><b><u>Text Adventures</u></b></p> <p>-Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. (CS)</p> <p>-Use sequence, selection and repetition in programs; work with variables and various forms of input and output. (CS)</p>	<p><b><u>Networks</u></b></p> <p>-Understand computer networks, including the Internet; how they can provide multiple services, such as the World Wide Web; and the opportunities they offer for communication and collaboration. (CS)</p> <p style="text-align: center;"><b><u>Quizzing</u></b></p> <p>-Select, use and combine a variety of software (including internet services) on a</p>

	<p>explain how some simple algorithms work and to detect and correct errors in algorithms and programs. (CS)</p> <p>-Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. (IT)</p>	<p>behaviour; identify a range of ways to report concerns about content and contact. (DL)</p> <p>Understanding Binary</p>	<p>debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. (CS)</p>	<p>presenting data and information. (IT)</p> <p>-Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. (DL)</p>	<p>-Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs. (CS)</p> <p>-Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. (IT)</p>	<p>range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. (IT)</p>
<u>History</u>		<p>Discover the mysterious world of the ancient Mayan civilisation.</p>	<p>Climate change</p> <p><i>Climate change is one of the biggest issues our planet</i></p>	<p>World War 2</p> <p><i>Local History</i></p> <p><i>World War II was, arguably, the most</i></p>		<p>Britain's role in the transatlantic slave trade, the causes and consequences of the European colonisation of</p>

		<p><i>Mayan culture is one of the most studied civilizations in Mesoamerica. Their advances in architecture, astronomy, medicine, and math are well renowned. The ancient Mayans legacy had inspired many historical investigations to comprehend their way of living and why they left the majestic cities.</i></p>	<p><i>faces, and children will be the most affected by it.</i></p> <p><i>Empowering children with information about the environment could lead to them leading a movement through educating their peers and even adults around them, advocating for a cleaner world.</i></p>	<p><i>significant and influential event of the twentieth century.</i></p> <p><i>The Second World War was a monumental event, which had an enormous impact on the lives of ordinary people and the landscape around them. Children may have had relatives who were affected by the conflict in some way. In addition, many developments that came as a result of the Second World War, such as the Welfare State and the National Health Service in 1948, still have relevance today.</i></p>		<p><b>Africa and the worldwide communities that make up the African diaspora.</b></p> <p><i>This topic looks at non-European society that provides contrast with British history.</i></p> <p><i>This project teaches children about Africa past and present, with a particular focus on Benin.</i></p> <p><i>It traces the development of the slave trade and explores Britain's role in the transatlantic slave trade, the causes and consequences of the European colonisation of Africa and the worldwide communities that make up the African diaspora</i></p>
--	--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p><u>Geography</u></p>		<p>Discover Mexico</p> <p><i>Mayan culture is one of the most studied civilizations in Mesoamerica. Their advances in architecture, astronomy, medicine, and math are well renowned.</i></p> <p><i>Describe and understand key aspects of human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water.</i></p> <p><i>Comparison between UK and Mexico.</i></p>	<p>Climate change Habitats Survival</p> <p><i>Climate change is one of the biggest issues our planet faces, and children will be the most affected by it</i></p> <p><i>Understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European and another region.</i></p> <p><i>Understand the processes that give rise to key physical and human geographical features of the world, how these are interdependent and how they bring about spatial variation and change over time.</i></p>	<p>WW2</p> <p><i>Local Geography</i></p> <p><i>World War II was, arguably, the most significant and influential event of the twentieth century.</i></p> <p><i>Use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world.</i></p> <p><i>Comparisons.</i></p>	<p>How our world is changing.</p> <p><i>Name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time.</i></p> <p><i>Comparisons</i></p> <p><i>Describe and understand key aspects of human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources</i></p>	<p>Africa- Settlements</p> <p><i>This topic looks at non-European society that provides contrast with British history.</i></p> <p><i>Describe and understand key aspects of human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water.</i></p>
-------------------------	--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

					<i>including energy, food, minerals and water.</i>	
<u>DT</u>		Food for Life		Make do and Mend		Engineer
<u>Art</u>	Colour theory - Tints, Tones and Shades		Distortion and Abstraction		Environmental Artists	

<u>RE</u>	What does it mean to be a Muslim in Britain today?	What matters most to Christians and Humanists?	What matters most to Christians and Humanists?	What do religions say to us when life gets hard?	What can be done to reduce racism? Can religion help?	Green Religion? What do religious and non-religious worldviews teach s about caring for Earth?
<u>PE</u>	Netball	Tag rugby	Hockey	Dance/Gymnastics	Athletics	Rounders
<u>Music</u>	Happy	Classroom Jazz	A New Year Carol	You've Got a Friend	Music and Me	Reflect, Rewind & Replay
<u>Spanish</u>	Where is Spanish spoken? / All about Spain. Numbers How are you? What is your name?	Days of the week / months /dates Colours Fruit Vegetables	Talking about yourself. Family. Where do you live? My house	Animals Ice Cream Clothes	Actions (verbs) Body	I like... Desayuno en el café Recap