



Moggerhanger Primary School
Year 5 and 6 - Long Term Plan
Year B - 2022-2023



Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic Name	Marvellous Mayans		On the Home Front		Ancient Greece	
Memorable Events *These themes may be adapted at various points	<ul style="list-style-type: none"> Rocket Launch Harvest Festival Visit to the Church 	<ul style="list-style-type: none"> Carol Concert Visit to theatre to see the Pantomime 	<ul style="list-style-type: none"> Trip to Bletchley Park, Milton Keynes 		<ul style="list-style-type: none"> Swimming lessons Sports Day Residential Trip/Adventurous Activities 	
English Overview	Reading Comprehension SPaG Non-Fiction Persuasive devices, Writing persuasive letters Fiction- <i>The Great Kapok Tree</i> Dilemma stories	Reading Comprehension SPaG Non-Fiction Instruction and information texts (Cracking contraptions) Poetry- Slam poetry (poetic style Narrative poetry)	Reading Comprehension SPaG Non-Fiction Newspaper reports Biography and autobiography Fiction <i>The Journey</i> <i>Francesca Sanna</i> <i>Journey to Jo'burg-</i> <i>Beverley Naidoo</i>	Reading Comprehension SPaG Non-Fiction Recounts Fiction- Drama- Shakespeare Classic novels Poetry Debate poetry and poetry that tells a story	Reading Comprehension SPaG Non-Fiction Instructions and explanations Fiction- <i>Kensuke's Kingdom</i> <i>Michael Morpurgo</i> modern classic fiction	Reading Comprehension SPaG Non-Fiction Non-Chronological reports Poetry Free form poetry
Maths Overview <i>White Rose Maths</i> Year 5	Number and place value Roman numerals to 1,000 Representing numbers/place value Counting in powers of 10		Fractions Equivalent fractions Improper fractions to mixed numbers (and reverse)		Converting Units Kilograms and kilometres Milligrams and millilitres Metric units	



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	<p>Compare and order numbers Rounding within 1,000,000</p> <p>Addition and Subtraction Add and subtract whole numbers with more than 4 digits Round to estimate answers Inverse operations</p> <p>Multiplication and division Multiples and factors Multiplying and dividing by powers of 10 Multiplication of 4 digit by 2 digit numbers Inverse operations Solve multi-step word problems involving all four operations</p> <p>Statistics Read, interpret and draw line graphs Use line graphs to solve problems Read and interpret tables Two-way tables Timetables</p>	<p>Number sequences Compare and order fractions Add and subtract fractions and mixed numbers</p> <p>Decimals and Percentages Decimals as fractions Understanding thousandths Rounding decimals Compare and order decimals Understanding percentages Equivalent fractions, decimals and percentages</p> <p>Number and Algebra Prime numbers Square numbers Cube numbers For the rest of spring term Yr5 to recap learning from autumn and spring term through deeper reasoning and problem solving activities.</p>	<p>Imperial units Converting units of time Timetables</p> <p>Position and Direction Position in the first quadrant Reflection Reflection with coordinates Translations (with coordinates)</p> <p>Properties of Shape Measuring angles in degrees with a protractor Draw lines and angles accurately Calculate angles on a straight line Calculate angles around a point Calculate lengths and angles in shapes polygons</p>
<p>Maths Overview <i>White Rose Maths</i></p> <p style="text-align: center;">Year 6</p>	<p>Number and place value Representing numbers to ten million Compare and order any number (including decimals) Round any numbers Negative numbers</p> <p>Addition and Subtraction Add and subtract whole numbers (column method)</p>	<p>Fractions Simplify fractions Fractions on a number line Compare and order fractions Add and subtract fractions and mixed numbers</p> <p>Decimals and percentages Decimals</p>	<p>Converting Units Metric measures Converting metric measures Calculating with metric measures Miles and Kilometres Imperial measures</p> <p>Position and Direction Coordinates in the first quadrant</p>



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	<p>Mental calculations and estimation</p> <p>Multiplication and Division</p> <p>Common multiples</p> <p>Written multiplication methods</p> <p>Long and short division</p> <p>Common multiples and factors</p> <p>Order of operations</p> <p>Solve multi-step word problems involving all four operations</p> <p>Statistics</p> <p>Read, interpret and draw line graphs</p> <p>Use line graphs to solve problems</p> <p>Circles</p> <p>Read and draw pie charts (with percentages)</p> <p>The mean</p>	<p>Multiplying and dividing decimals by powers of 10</p> <p>Multiply and divide decimals by integers</p> <p>Decimals as fractions (and reverse)</p> <p>Equivalent fractions, decimals and percentages</p> <p>Percentage of an amount</p> <p>Percentage increase and decrease</p> <p>Order fractions, decimals and percentages.</p> <p>Number and Algebra</p> <p>Finding and using an algebraic rule</p> <p>Substitution</p> <p>Formulae</p> <p>Word problems</p> <p>Simple one and two step equations</p> <p>Pairs of values</p> <p>Ratios and fractions</p> <p>Scale factors</p> <p>Ratio and proportion problems</p>	<p>Plotting coordinates</p> <p>Reflections</p> <p>Translations</p> <p>Properties of Shape</p> <p>Measuring with a protractor</p> <p>Introducing angles</p> <p>Calculate angles</p> <p>Vertically opposite angles</p> <p>Angles in a triangle</p> <p>Angles in quadrilateral</p> <p>Angles in regular polygons</p> <p>Draw shapes accurately</p> <p>Nets of 3D shapes</p>	
<p>Science</p>	<p>Forces (Yr5)</p> <p>Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.</p> <p>Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.</p> <p>Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.</p>	<p>Light (Yr6)</p> <p>Recognise that light appears to travel in straight lines.</p> <p>Use the idea that light travels in straight lines to explain that objects are seen because they give out or</p>	<p>Electricity (Yr6)</p> <p>Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.</p> <p>Compare and give reasons for variations in how</p>	<p>Living Things & Their Habitats (Yr5)</p> <p>Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird</p> <p>Describe the life process of reproduction in some plants and animals.</p> <p>Animals (Including Humans) (Yr5)</p> <p>Describe the changes as humans develop to old age.</p>



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		<p>reflect light into the eye. Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes. Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them</p>	<p>components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches. Use recognised symbols when representing a simple circuit in a diagram.</p>	
History	<p>History- The Mayan Civilisation A non-European society that provides contrasts with British history – a study of Mayan civilization c. AD 900.</p>	<p>History- World Wars 1 and 2 Continue to develop a chronologically secure knowledge and understanding of British, local and world history, establishing clear narratives within and across the periods they study.</p>	<p>History- Ancient Greek Civilisation Pupils should be taught a study of Greek life and achievements and their influence on the western world.</p>	
Geography	<p>Geography- North and Central America Understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom and a region within America.</p>	<p>Geography- Exploring Eastern Europe Locate the world’s countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities</p>	<p>Geography- Mountains Locate the world’s countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities</p>	



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Art and Design	Whole School Artist: Yayoi Kusama Yayoi Kusama is a Japanese artist known for her extensive use of polka dots and for her infinity installations.		Whole School Artist: Beatriz Milhazes Beatriz Milhazes is a Brazilian artist known for her colourful abstract paintings and prints. Swirling with geometric and arabesque shapes, they are kaleidoscopic, inspired by both indigenous Brazilian and Modernist European design.		Whole School Artist: Alma Thomas Alma Thomas (1891-1978) was an African-American artist best known for her signature style of overlaid planes of colourful, thumb-sized rectangles	
	Henri Rousseau Creating our own layered rainforest picture		Propaganda posters Looking at real propaganda posters and creating our own about issues we believe in.		Surrealism Looking at classical paintings and exploring the ways that artists captured movement in art before photography	
D&T	Creating Christmas decorations		Cooking foods from around Europe and through history		Design, create and evaluate a labyrinth Greek Architecture	
Computing <i>Teach Computing Scheme</i>	E-safety:	Communication and collaboration	Web page creation	Variables in Games	Data and information-introduction to spreadsheets	Sensing movement
Music <i>Music Express Scheme</i>	Group singing Including singing in part harmony and in the round for Christmas performances		Journeys		Lifecycles	
RE	What does it mean if Christians believe God is holy and loving?	Creation and science: conflicting or complementary?	Values: What matters most to Humanists and Christians?	How and why do some people inspire others? Examples from religions	How do Christians decide how to live? 'What would Jesus do?'	What do Christians believe Jesus did to 'save' people?
PSHE	How can we keep healthy as we grow?		How can the media influence people?		Year 5- How can drugs common to everyday life affect health?	Year 5- What jobs would we like? Year 6- How do friendships change as we grow?



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					Year 6- What will change as we become more independent?	
PE	Football Netball	OAA Dance	Gymnastics Fitness	Badminton Hockey	Basketball Tennis	Athletics
Languages: French	Let's Visit a French Town	Let's Go Shopping	This is France		All in a Day	