

# St Mary's YEAR 6 LONG TERM PLAN 2018-19

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Values Heartsmart	<u><b>LOVE</b></u> 'Get SMARTSMART'	<u><b>DETERMINATION</b></u> 'No Way through isn't true!'	<u><b>RESPECT</b></u> 'Two much Selfie isn't healthy!'	<u><b>COMPASSION</b></u> 'Don't Forget to Let Love In!'	<u><b>HONESTY</b></u> 'Fake is a Mistake!'	<u><b>COURAGE</b></u> 'Don't Rub it in, Rub it Out!'
Visits/ Visitors	HHS- Healthy lifestyles (Healthitude)	Theatre Trip Child-line E Safety- local High School		HHS-Making safe choices	Phoenix Park- Local Habitats  Llandudno residential.	Chester Cathedral - Leavers service  Llandudno residential
<b>NUMERACY</b>	<p>Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit</p> <p>Round any whole number to a required degree of accuracy</p> <p>Use negative numbers in context, and calculate intervals across zero</p> <p>Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication</p> <p>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</p>	<p>Use common factors to simplify fractions; use common multiples to express fractions in the same denomination</p> <p>Compare and order fractions, including fractions <math>&gt; 1</math></p> <p>Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</p> <p>Multiply simple pairs of proper fractions, writing the answer in its simplest form</p> <p>Divide proper fractions by whole numbers</p> <p>Associate a fraction with division and calculate decimal fraction equivalents</p>	<p>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 vice versa, using decimal notation to up to three decimal places</p> <p>Convert between miles and kilometres</p> <p>Recognise that shapes with the same areas can have different perimeters and vice versa</p> <p>Recognise when it is possible to use formulae for area and volume of shapes</p> <p>Calculate the area of parallelograms and triangles</p>	<p>Draw 2-D shapes using given dimensions and angles</p> <p>Recognise, describe and build simple 3-D shapes, including making nets</p> <p>Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons</p> <p>Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius</p> <p>Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.</p> <p>Describe positions on</p>	<p>Interpret and construct pie charts and line graphs and use these to solve problems</p> <p>Calculate and interpret the mean as an average</p> <p>Solve number and practical problems that involve all of the above (number and place value)</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</p> <p>Solve problems involving addition,</p>	<p>Reasoning/ Problem Solving in Real Life Contexts</p> <p>Dragon's Den- Budget/costing Profit/Loss</p> <p>Data Handling- Plants/Animals - classification (science)</p> <p>Shape &amp; Space-Patterns in Art</p>

	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	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	Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres ( $\text{cm}^3$ ) and cubic metres ( $\text{m}^3$ ), and extending to other units [for example, $\text{mm}^3$ and $\text{km}^3$ ].  Solve number and practical problems that involve all of the above (number and place value)	the full coordinate grid (all four quadrants)  Draw and translate simple shapes on the coordinate plane, and reflect them in the axes  Solve number and practical problems that involve all of the above (number and place value)	subtraction, multiplication and division  Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy  Solve problems which require answers to be rounded to specified degrees of accuracy	
	Perform mental calculations, including with mixed operations and large numbers	Use written division methods in cases where the answer has up to two decimal places	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts	
	Identify common factors, common multiples and prime numbers	<i>Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts</i>	Solve problems involving addition, subtraction, multiplication and division	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	Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison	
	Use their knowledge of the order of operations to carry out calculations involving the four operations	Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts	Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy	Solve problems involving similar shapes where the scale factor is known or can be found	Solve problems involving unequal sharing and grouping	
	Solve number and practical problems that involve all of the above (number and place value)	Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison	Solve problems which require answers to be rounded to specified degrees of accuracy	Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division		
	Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	Solve problems involving similar shapes where the scale factor is known or				
	Solve problems involving addition, subtraction, multiplication and division					
	Use estimation to check answers to calculations					

	<p>and determine, in the context of a problem, an appropriate degree of accuracy</p>	<p>can be found Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples</p> <p>Use simple formulae</p> <p>Generate and describe linear number sequences</p> <p>Express missing number problems algebraically</p> <p>Find pairs of numbers that satisfy an equation with two unknowns</p> <p>Enumerate possibilities of combinations of two variables</p> <p>Solve number and practical problems that involve all of the above (number and place value)</p> <p>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why</p> <p>Solve problems involving addition, subtraction, multiplication and division</p> <p>Use estimation to check answers to</p>	<p>Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts</p> <p>Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison</p> <p>Solve problems involving similar shapes where the scale factor is known or can be found</p> <p>Solve problems involving similar shapes where the scale factor is known or can be found</p> <p>Solve problems involving unequal sharing and grouping using knowledge of fractions and multiple</p> <p>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate</p>	<p>and division facts</p> <p>Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison</p> <p>Solve problems involving similar shapes where the scale factor is known or can be found</p> <p>Solve problems involving unequal sharing and grouping using knowledge of fractions and multiple</p> <p>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate</p>	<p>using knowledge of fractions and multiples</p> <p>Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate</p>	
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	<p>calculations and determine, in the context of a problem, an appropriate degree of accuracy</p> <p>Solve problems which require answers to be rounded to specified degrees of accuracy</p> <p>Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts</p> <p>Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison</p> <p>Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres</p> <p>Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples</p>			
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LITERACY	<p>Fiction Unit -Skyhawk Narrative Adventure (5wks) Including: Diary Entry, Narrative, Persuasive Letter Writing.</p> <p><i>G&amp;P foci- Rev as req'd: word classes. apostrophe, direct speech, reported speech simple/complex sentence punctuation, conjunctions, compound sentences, commas in lists, expanded, noun phrases, common, paragraphing modal verbs</i></p> <p>Spelling:</p> <ul style="list-style-type: none"> <li>• Words ending able, ably, ible, ibly</li> <li>• Adding suffixes beginning with vowels to words ending in -fer</li> <li>• Proofreading</li> <li>• Revising words from statutory spelling lists.</li> </ul>	<p>Remembrance-Non Chronological Reports</p> <p>S &amp; L- Performance Poetry Yr 6 assembly - The Jabberwocky (including additional writing opportunities.)</p> <p>Anti-Bullying-comic strip and story writing.</p> <p><i>G&amp;P foci: Subject &amp; verb agreement article, linking paragraphs, 1<sup>st</sup>/3rd person; tenses relative clauses, Pronouns</i></p> <p>Spelling:</p> <ul style="list-style-type: none"> <li>• Homophones (ce / se)</li> <li>• Cious / tious ending</li> <li>• Revising words from statutory spelling lists.</li> </ul>	<p>Farther : Narrative (Flashback)</p> <p>Fiction Unit- The Piano(film)</p> <p>Fiction Unit - The Dreamgiver (film clip)</p> <p><i>G&amp;P foci- Rev as req'd:punctuation of direct quotes, connectives (more sophisticated), clauses &amp; phrases, complex sentences (embedded clauses) Prepositions Spelling:</i></p> <ul style="list-style-type: none"> <li>• Ough endings</li> <li>• Cial / tial endings</li> <li>• Revising words from statutory spelling lists.</li> </ul>	<p>Found poetry - Imagery (Simile, Metaphor, Personification) Also revision of poetry key terms(2wk)</p> <p>Persuasive Writing: Overfishing (video clip).</p> <p>Passive Voice : Dracula's Whitby</p> <p><i>G&amp;P foci- tenses incl irregular forms, rootwords, suffix-making adverbs from adjectives, adding ing suffix parenthesis, ellipsis, dashes(to add a phrase or clause), semi colon.</i></p> <p>Spelling:</p> <ul style="list-style-type: none"> <li>• Further homophones</li> <li>• Generating words from prefixes and roots</li> <li>• Revising words from statutory spelling lists.</li> </ul>	<p>Dracula's Whitby (cont) - Revision of genres and features.</p> <p>London-Recount</p> <p>SATS Reading Practise and SPaG Practise</p> <p><i>G&amp;P foci: adverbs &amp;adjective phrases as openers, passive/modal verbs punctuating bullet points, colon to introduce list, semi colon to separate phrases(lists)</i></p> <p>Spelling:</p> <ul style="list-style-type: none"> <li>• Rare GPCs from statutory word list.</li> <li>• Applying strategies to writing 'have a go'.</li> <li>• Ance, ant, ancy endings</li> <li>• Root words and meanings</li> <li>• Revising words from statutory spelling lists.</li> </ul>	<p>Mayans: Non-chronological report/diary entry.</p> <p>Clockwork - Writing a story within a story.</p> <p>Reading, writing and speaking &amp; listening opportunities, particularly with a focus for the Leavers' Service.</p> <p>Spelling:</p> <ul style="list-style-type: none"> <li>• Ent, ence, ency endings.</li> <li>• Further homophones</li> <li>• Commonly misspelt homophones</li> <li>• Revising words from statutory spelling lists.</li> <li>•</li> </ul>
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RE	<p>Good News a) Why is Jesus, 'Light of the World' good news for Christians? (PPT)</p>	<p>Christian Community</p> <p>a) How does the teaching of the Church influence the everyday life of</p>	<p>K. of God</p> <p>How does a belief in the Kingdom of God inspire and</p>	<p>Forgiveness a) What is the difference between forgiveness and justice?</p>	<p>Discipleship a) How does the sermon on the mount help Christians to follow</p>	<p>Hinduism <math>\frac{1}{4}</math> term (ahimsa, atman Reincarnation)</p> <p>How does belief in</p>
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	<p>How do the signs in John's gospel help to explain Jesus as good news?</p> <p>b) How do different Christians describe God?</p>	<p>believers? What impact do the lives of the church community make in today's world?</p> <p><b>Incarnation</b> b) How do different artists show what is important about the Incarnation? How do different global communities show what is important about the Incarnation?</p>	<p>influence Christians across the world?</p> <p><b>Hinduism 3 lessons (Divali)</b> <b>How does the Hindu celebration of Divali show their understanding of God?</b></p>	<p><b>Salvation</b> b) Where in a church building are there signs of salvation?</p> <p><b>Resurrection</b> c) How are the resurrection and ascension of Jesus good news for Christians? What hope does the resurrection give to Christians? cf (2b:7)</p>	<p>Jesus?</p> <p><b>Holy Spirit</b> b) How do Christians believe the Holy Spirit is at work in their lives today?</p> <p><b>Creation</b> c) Does Science disprove Genesis? c</p>	<p><b>reincarnation affect a Hindus' life?</b></p> <p><b>Cross religious theme ¼ term</b> How can religious communities live together in the community in peace? What are the challenges? (Choice of world religions)</p>
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<b>COMPUTING</b>	Internet safety/ Data handling, pictograms, databases and graphing packages	Multi-media/Research: 60's entertainment /lifestyle. (Combining Text , graphics and Sound  Pop Art	SMART technologies-Communication links	Programming and Modelling: Digital imagery , animation and Video	SATs revision-(Using technology to Support/chart our progress)	Research Web/Game developers
<b>SCIENCE</b>	What scientists did for us?  Research specific scientists and their specialisms)  What are micro organisms?  Living things and their habitats  How are living things classified?	Animal incl humans  How do our bodies function?  How does diet, exercise, drugs and lifestyle affect how our bodies function?  How are nutrients and water transported within animals, including humans?	Evolution and Inheritance  How have living things changed over time?  What can we learn from fossils?  Why do living things produce offspring of the same kind?  How do animals and plants adapt to suit their environment?	Light  How do we See?  How does light travel?	Electricity  How can we change a circuit?  What affects the brightness of bulbs and the loudness of buzzers?  What do symbols mean?	
<b>GEOGRAPHY</b>	<b>1940s/ 1960s and now</b>  Where did WW2 begin and how did it spread across Europe and the wider world?  How did the war change settlement and land use?  How did the war alter the way we lived?	<b>Brazil</b>  Can I compare the geographical similarities and differences of the United Kingdom and South America  Can I use atlases and maps to locate the world's countries?  Can I identify key physical and human characteristics of contrasting countries and major cities?	<b>Compare Runcorn/ Llandudno</b>  How does Runcorn differ from Llandudno? (Fieldwork)  How can we use fieldwork to observe, measure, record and present human and physical features of the local area?  Can I use a compass, grid references, symbols and keys?	<b>Mayans</b>  Who were the Mayans and where did they originate from?		
<b>HISTORY</b>	<b>1940s/ 1960s and now</b>  <b>Leisure and entertainment in the 20<sup>th</sup> century</b> How did leisure and entertainment change in Britain during the 20 <sup>th</sup> /21 <sup>st</sup> Century?	<b>Rich &amp; Poor: Is Brazil a divided country?</b>  How are historical concepts (such as continuity and change) affected by cause and consequence?	<b>Mayan civilization</b>  How does the history of this non-European society contrast with British history?			

	How have people's lives shaped this nation and how has Britain influenced and been influenced by the wider world?		What similarities and differences can I identify and use to make connections, draw contrasts, analyse trends?		What do we understand about the term "civilisation"?	
PE	Invasion Games  Swimming	Dance	Gymnastics	Net & Wall Games	Athletics	Striking and Fielding
DT	<b>Food Technology - Bread</b> (Science) <b>Textiles</b> How do the properties of textiles affect their functional properties and aesthetic qualities? Who were the great fashion designers in the 20 <sup>th</sup> and 21 <sup>st</sup> centuries? Can I design a war time outfit that is fit for purpose, choosing suitable textiles?	<b>Food</b> What does a healthy and varied diet look like? How does seasonality affect the ingredients which are caught and processed? Can I prepare and cook using a range of cooking techniques?		<b>Complex Electrical Circuits</b> Can I understand and use electrical systems? Can I apply my understanding of computing to program, monitor and control their products? Can I use prototypes, pattern pieces and computer-aided design?		
ART	<b>Drawing</b> Can I design and sketch a war time propaganda poster? Who are the great artists in Pop Art and what influenced it? Can I produce my own Pop Art using a variety of techniques?	<b>Painting</b> What do I understand about carnival art? Can I recreate carnival art painting using a range of materials?		<b>Sculpture</b> Why do masks play an important part in the Mayon tradition? Can I design and sculpt my own Mayon mask?		
MUSIC	Recording and creating music and sound. Researching music genres across decades. Choral performances	Music from different cultures-South America (composing music)		Songwriter/ Lyrics (singing & Performing)		
MFL	French: Pronunciation and intonation when speaking Broaden vocabulary/ understand new words/phrases & simple writing	French: Ask & Answer questions Express opinions/respond to those of others Describing people & places(writing)		French: Write phrases from memory Basic grammar Presenting ideas and information orally to a range of audience.		