



# Lowther Primary School – Curriculum Map

## Year 6 - Autumn Term

Core Curriculum	Wider Curriculum		
<p><b>Mathematics</b>  <u>Number: Place value</u>  <u>Number: Addition, Subtraction, Multiplication &amp; Division</u>  <u>Fractions</u></p> <ul style="list-style-type: none"> <li>Why is placevalue important? How can we show numbers less than 1? Can we multiply and divide by 10, 100, 1000 etc.</li> <li>Using formal &amp; informal as well as written and mental methods</li> <li>Equivalent, common denominators, mixed numbers and improper fractions.</li> <li>Solving missing number problems</li> <li>Reasoning problems</li> </ul> <p><u>Multiplication (times tables)</u></p> <ul style="list-style-type: none"> <li>Consolidation of times table knowledge throughout term.</li> </ul>	<p><b>Computing</b></p> <ul style="list-style-type: none"> <li><u>Computer Science:</u>            Cryptography: Code            Computing &amp; Physical computing with Micro:Bits (Programming)</li> <li><u>Digital Literacy:</u> Projects incorporating research, creating PowerPoints, films and Word documents. Building Lowther Enterprise Scheme Presentation.</li> <li><u>E-Safety: Evaluating</u> content online and 'fake news'; Reviewing passwords &amp; procedures.</li> <li><u>Technology:</u> IPad quizzes / Google Classrooms</li> </ul>	<p><b>History</b>  <u>World War II</u></p> <ul style="list-style-type: none"> <li>Investigating primary and secondary sources</li> <li>Visiting historical sites, including Sheen Air-Raid shelter and IWM London</li> <li>Researching WW2</li> <li>Interviewing survivors and people from this period</li> <li>Areas of focus: The Blitz &amp; The Battle of Britain; Home Front; Anne Frank &amp; the Holocaust</li> </ul>	<p><b>Physical Education</b>  <u>Indoor:</u></p> <ul style="list-style-type: none"> <li>Movement</li> <li>Agility: Gymnastic Skills</li> </ul> <p><u>Outdoor:</u></p> <ul style="list-style-type: none"> <li>Hockey – Attacking &amp; Defending Skills</li> <li>Tag Rugby – Attacking &amp; Defending Skills</li> </ul> <p><u>Swimming</u></p>
<p><b>English</b>  <u>Persuasive Language</u></p> <ul style="list-style-type: none"> <li>Features of persuasive writing</li> <li>Writing a political party manifesto</li> </ul> <p><u>Information Texts</u></p> <ul style="list-style-type: none"> <li>Researching The Blitz and Britain during WWII</li> <li>Taking notes from primary and secondary sources</li> </ul> <p><u>Narrative – The Machine Gunners</u></p> <ul style="list-style-type: none"> <li>Adventure stories</li> <li>Exploring different texts to infer and deduce information.</li> <li>Looking at different features the author has used to engage the reader</li> </ul>	<p><b>Art</b>  <u>Collage &amp; Photography:</u></p> <ul style="list-style-type: none"> <li>WW2 Propaganda Posters</li> <li>Pattern &amp; Typography</li> </ul> <p><u>Printing</u></p> <ul style="list-style-type: none"> <li>Jamaican inspired prints</li> <li>Pattern &amp; Colour</li> </ul>	<p><b>Modern Foreign Languages</b>  <u>Italian</u></p> <ul style="list-style-type: none"> <li>Listening</li> <li>Speaking</li> <li>Reading</li> <li>Writing</li> </ul>	<p><b>PSHE and PATHS</b>  <u>Problem solving</u></p> <ul style="list-style-type: none"> <li>Calming down and handling stress</li> <li>Making good decisions</li> <li>Getting help from other</li> </ul> <p><u>Study skills</u></p> <ul style="list-style-type: none"> <li>Being organised</li> <li>Planning ahead</li> </ul>
<p><b>Science</b>  <u>Light</u></p> <ul style="list-style-type: none"> <li>Exploring how light travels</li> <li>Investigate how we see things through light entering the eye</li> <li>How light can be reflected and change direction</li> <li>Investigating reflections from a variety of surfaces</li> </ul>	<p><b>Geography</b></p> <ul style="list-style-type: none"> <li>What is Fair Trade?</li> <li>What does trade mean?</li> <li>Who do we trade with?</li> <li>What was the silk road?</li> <li>Who (and what) was Marco Polo?</li> </ul>	<p><b>Wider Curriculum</b>  <u>Lowther Enterprise Scheme</u>  <u>Cooking</u>  <u>British Values:</u> School Election, Investigating the key concepts of British Values, including equality of faiths and political beliefs..</p>	<p><b>Trips &amp; Enrichment</b></p> <ul style="list-style-type: none"> <li>Evacuation Day</li> <li>Westminster Abbey</li> <li>Sheen Air Raid Shelter</li> <li>Imperial War Museum</li> <li>Polish Centre Hammersmith</li> <li>National Army Museum</li> <li>Primary Maths Challenge</li> <li>Apple Store</li> </ul>



# Lowther Primary School – Curriculum Map

## Year 6 - Spring Term

Core Curriculum	Wider Curriculum		
<p><b>Mathematics</b></p> <p><u>Number: Decimals:</u> Identifying value to 3dp, / X by 10, 100, 1000 / X1 digit by numbers up to 2 dp / written division methods / problem solving and rounding</p> <p><u>Number: Percentages:</u> Solve problems of measures / Recall equivalents between fraction, decimals and percentages in different contexts</p> <p><u>Measurement:</u> Solve problems / calculate and convert using notation up to 3dp</p> <p><u>Number: Algebra:</u> Simple formulae / generate &amp; describe linear number sequences / express missing number problems algebraically / find pairs of numbers with two unknowns / enumerate combinations of 2 variables</p> <p><u>Number: Ratio:</u> Solve problems involving: the relative sizes of 2 quantities / missing values / similar shapes involving scale factor / sharing &amp; grouping using knowledge of fractions &amp; multiples</p> <p><u>Geometry: Statistics:</u> Illustrate &amp; name parts of circles / diameter &amp; radius / interpret &amp; construct pie charts &amp; line graphs / solve problems / calculate mean as an average</p> <p><u>Geometry: Properties of Shape:</u> Drawing 2D shapes, comparing &amp; classifying, properties of polygons. Recognising angles</p> <p><u>Geometry: Position and Direction:</u> Describing coordinates on a grid, drawing and translating simple shapes, reflecting them in the axis.</p> <p><u>SAT preparation:</u> Test practice in preparation for national tests.</p>	<p><b>Computing</b></p> <p><u>Computer Science:</u> Physical Programming with Micro:bits exploring movement</p> <p><u>Information Technology</u> Site map &amp; website design build for Natural Disasters topic</p> <p><u>E Safety</u> Critical Thinking Films</p> <p><u>Internet safety Day</u></p>	<p><b>Science</b></p> <p><u>Electricity</u> Building series and parallel circuits Using correct symbols to draw circuits Using switches to control circuits</p> <p><u>Circulation</u> Looking at the heart, lungs &amp; blood</p> <p><u>Adoption &amp; Evolution</u> Recognise fossils provide evidence of evolution Identify adaptations in plants and animals / Recognise inheritance characteristics in offspring</p>	<p><b>Physical Education</b></p> <ul style="list-style-type: none"> <li>Hockey</li> <li>Invasion Games</li> <li>Play competitive games, applying principles suitable for attacking and defending</li> <li>Take part in outdoor and adventurous activity challenges both individually and within a team</li> </ul>
<p><b>English</b></p> <p><u>Information Texts: Volcanoes:</u></p> <ul style="list-style-type: none"> <li>Researching volcanoes and natural disasters</li> <li>Taking notes and precisising information</li> <li>Using different sentence structures to present information</li> <li>Applying technical vocabulary to formal writing</li> </ul> <p><u>Adventure Story:</u></p> <ul style="list-style-type: none"> <li>Planning and organising</li> <li>Building suspense through vocabulary and clause structure</li> <li>Writing o dilemma and resolution</li> <li>Using dialogue to advance action and convey character</li> </ul> <p><u>Mystery Novel: Skellig:</u></p> <ul style="list-style-type: none"> <li>Identifying how authors engage their reader</li> <li>Visualising character and setting through rcleplay</li> <li>Writing for a purpose</li> </ul>	<p><b>Art</b></p> <p><u>Collage</u></p> <p>Lowther : A Sense of Place.</p> <ul style="list-style-type: none"> <li>Use drawing and painting techniques to develop and share their ideas and imagination</li> <li>Develop a wide range of art and design techniques in using colour, line, shape and space</li> </ul> <p>Using tie-dye to design T-Shirts (linked to Science)</p>	<p><b>Modern Foreign Languages</b></p> <p><b>Italian</b></p> <ul style="list-style-type: none"> <li>Celebrations &amp; Carnival</li> <li>The Italian Alphabet</li> <li>Colours and Preferences</li> <li>Easter in Italy</li> <li>Singular &amp; Plural</li> <li>Seasons: Days, Months Years</li> <li>Numbers to a Million</li> </ul>	<p><b>PSHE and PATHs</b></p> <p><u>Problem solving</u></p> <ul style="list-style-type: none"> <li>Understanding techniques to control anxiety</li> <li>Staying calm under pressure</li> </ul> <p><u>Study skills</u></p> <ul style="list-style-type: none"> <li>Being organised</li> <li>Planning ahead</li> <li>Reflecting on personal successes</li> </ul>
	<p><b>Geography</b></p> <p><u>How do volcanoes affect the lives of people?</u></p> <ul style="list-style-type: none"> <li>What are volcanoes?</li> <li>Where do we find them?</li> <li>How do they help us?</li> <li>How do they affect our lives?</li> <li>How do they help us understand climate change?</li> </ul>	<p><b>History</b></p> <p><u>The British Empire</u></p> <ul style="list-style-type: none"> <li>What was the British Empire?</li> <li>Where was it?</li> <li>What is the Commonwealth and why is it important today?</li> <li>The Falklands War</li> <li>The importance of Empire, in particular it's demise.</li> </ul>	<p><b>Enrichment:</b></p> <p>Screen Your Story World Book Day Science Week – Growth Storytelling Day Junior Citizens Design Museum Heart, Lungs and Eyeballs! Music: Guitars Lowtherness Live Internet safety Day</p>



# Lowther Primary School – Curriculum Map

## Year 6 - Summer Term

Core Curriculum	Wider Curriculum		
<p><b>Mathematics</b></p> <p><u>Geometry: Statistics:</u> Illustrate &amp; name parts of circles / diameter &amp; radius / interpret &amp; construct pie charts &amp; line graphs / solve problems / calculate mean as an average</p> <p><u>Geometry: Properties of Shape:</u> Drawing 2D shapes, comparing &amp; classifying, properties of polygons. Recognising angles</p> <p><u>Geometry: Position and Direction:</u> Describing coordinates on a grid, drawing and translating simple shapes, reflecting them in the axis.</p> <p><u>SAT preparation:</u> Test practice in preparation for national tests.</p> <p><u>SAT Exams:</u> Internal sitting of national tests.</p>	<p><b>Computing</b></p> <p><u>Computer Science:</u></p> <ul style="list-style-type: none"> <li>Scratch programing exploring shape, angles and directional language.</li> <li><u>E-Safety</u></li> <li>Internet phone safety quiz</li> <li><u>HTML coding:</u> Programming using Trinket</li> </ul>	<p><b>Science</b></p> <p><u>Classification:</u></p> <ul style="list-style-type: none"> <li>Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals</li> <li>Give reasons for classifying plants and animals based on specific characteristics</li> </ul>	<p><b>History</b></p> <p><u>History of Medicine</u></p> <ul style="list-style-type: none"> <li>How life expectancy has changed over the past 350 years</li> <li>The causes and effects of the Great Plague</li> <li>Edward Jenner and Smallpox</li> <li>Medical Milestones of the past 200 years</li> </ul>
<p><b>English</b></p> <p><u>Information Texts: Owls</u></p> <ul style="list-style-type: none"> <li>Researching birds of prey, including owls</li> <li>Taking notes and précising information</li> <li>Evaluating veracity of information retrieved</li> <li>Organising ideas and building cohesion in formal writing</li> </ul> <p><u>Reading Comprehensions:</u></p> <ul style="list-style-type: none"> <li>Comprehending information</li> <li>Infering information about character, setting and plot</li> <li>Evidencing longer written answers by retrieving words and phrases from texts</li> </ul> <p><u>Mystery Novel: Skellig:</u></p> <ul style="list-style-type: none"> <li>Identifying how authors engage their reader</li> <li>Visualising character and setting through roleplay</li> <li>Writing for a purpose</li> </ul> <p><u>Performing School Production</u></p> <ul style="list-style-type: none"> <li>Exploring character and plot through roleplay</li> <li>Using voices to express emotion and character in role</li> </ul>	<p><b>Art</b></p> <ul style="list-style-type: none"> <li>Cyanotype</li> <li>Tie-Dye</li> <li>Jubilee Cards</li> </ul>	<p><b>Physical Education</b></p> <ul style="list-style-type: none"> <li>Cricket</li> <li>Bikeability</li> <li>Rounders &amp; Team-building games</li> </ul>	<p><b>Wider Curriculum</b></p> <ul style="list-style-type: none"> <li>Barnes Children's Literature Festival</li> <li>Camping in the grounds</li> </ul>
	<p><b>Design Technology</b></p> <ul style="list-style-type: none"> <li>Cooking – Parent Dinner</li> <li>Props for the Year 6 Production</li> <li>Micro:Bit: The Big Build' - Design and Program a product</li> </ul>	<p><b>PSHE and PATHS</b></p> <p><u>PATHS</u></p> <ul style="list-style-type: none"> <li>Dealing with stress and anxiety</li> <li>Conflict resolution</li> <li>Looking back, looking forward</li> </ul> <p><u>Relationship &amp; Sex Education</u></p> <ul style="list-style-type: none"> <li>Puberty and changes to our bodies</li> <li>The importance of personal hygiene</li> <li>Sex Education</li> </ul>	<p><b>Trips &amp; Workshops</b></p> <ul style="list-style-type: none"> <li>End of term residential trip to the Isle of Wight.</li> <li>Rowing with Skerries4Schools</li> <li>Twickenham Apiary – Junior Beekeepers</li> </ul>