



# Leasowes Primary School

## Year 5 Curriculum Overview



Year 5	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
<b>Maths</b>	<p><b>Number and Place Value</b> Ordering, counting and rounding 5-digit numbers</p> <p><b>Addition and Subtraction</b> Mental strategies for adding and subtracting numbers, formal written methods with 5-digit numbers</p> <p><b>Multiplication and Division</b> Multiplying by multiples of 10, 100, 1000, multiplying and halving; square, cube and prime numbers, multiples and factors, formal short multiplication and division methods, dividing by 10, 100, 1000, solving multiplication and division word problems</p> <p><b>Fractions and Decimals</b> Fraction sequences, equivalent and ordering fractions, showing decimals as fractions, rounding and sequencing</p> <p><b>Properties of Shape</b> Faces and edges within 3d shapes; Identifying, drawing and working with 3d shape</p> <p><b>Measurement</b> Converting mass, use imperial and metric units, solve mass problems, 12- and 24-hour clocks, solving time calculations and problems</p> <p><b>Position and Direction</b> Translating polygons using coordinates</p>		<p><b>Number and Place Value</b> Ordering and counting 6-digit numbers, negative numbers</p> <p><b>Addition and Subtraction</b> Formal written methods for subtraction, adding and subtracting decimals, solving decimal problems</p> <p><b>Multiplication and Division</b> Short multiplication methods with remainders and fraction remainders; long multiplication methods: 2-digit times 2-digit</p> <p><b>Fractions, Decimals and Percentages</b> Thousandths, ordering, adding and subtracting fractions Thousandths, rounding and ordering decimals, solving decimal problems, comparing percentages to fraction and decimal amounts, solving percentage problems</p> <p><b>Properties of Shape</b> Naming, drawing, measuring and identifying angles</p> <p><b>Measurement</b> Converting lengths, distances, metric and imperial lengths; area and perimeter of polygons</p> <p><b>Statistics</b> Constructing and interpreting line graphs, interpreting data in tables and timetables</p>		<p><b>Number and Place Value</b> Ordering counting and rounding 6-digit numbers, Roman numerals</p> <p><b>Addition and Subtraction</b> Solving problems including money problems</p> <p><b>Multiplication and Division</b> Short multiplication and division formal methods, long multiplication methods, money problems; long multiplication and short division with larger numbers, solving money problems</p> <p><b>Four Operations</b> Solving addition and subtraction problems retrieving learned knowledge</p> <p><b>Fractions, Decimals and Percentages</b> Improper fractions and mixed numbers, multiplying fractions; comparing fractions, decimals and percentages; calculating percentages, solving percentage problems</p> <p><b>Properties of Shape</b> Rectangles, regular and irregular polygons, missing angles</p> <p><b>Measurement</b> Converting capacities, including metric and imperial, volume of cuboids</p> <p><b>Position and Direction</b> Reflection in two lines of symmetry, reflection using coordinates</p> <p><b>Statistics</b> Interpreting data in time graphs and tables, presenting data</p>		
	<b>English</b>	<p><b>Victorians</b> Formal Letter (persuasion) Informal Letter (persuasion) Character Description Explanation Text Humorous Information Text</p> <p><b>Book Focus:</b> Cogheart</p>	<p><b>Earth and Space</b> Newspaper Report Biography Acceptance Speeches</p> <p><b>Book Focus:</b> Cosmic</p>	<p><b>Earth and Space</b> Information Text (science) Persuasive advert Character description Setting description Narrative (Science fiction adventure)</p> <p><b>Book Focus:</b> Cosmic</p>	<p><b>Ancient Egyptians</b> Newspaper Report Playscripts Instructions Biography Diary – Howard Carter Poetry</p> <p><b>Book Focus:</b> Secrets of a Sun King</p>	<p><b>Harry Potter</b> Letters Narrative (tension) Audio Guides Haiku Sports Report</p> <p><b>Book Focus:</b> Harry Potter and the Philosopher's Stone</p>	<p><b>Harry Potter</b> Information Text Playscripts School Reports</p> <p><b>Book Focus:</b> Harry Potter and the Philosopher's Stone</p>
<b>Science</b>		Forces	<p>Earth and Space: Knowledge based foci with Space Sleepover. Linked with Cosmic by Frank Cottrell-Boyce</p>		<p>Living Things and their Habitats Animals including Humans</p>	<p>Properties of Materials</p>	
<b>History</b>	<p><b>Victorians</b> Victoria culture, significant people and inventions of the time.</p>			<p><b>Ancient Egyptians</b> Pyramids, Pharaohs, civilisation and remains.</p>	<p><b>Mayan Civilisation</b> A study into civilisation that is different to our own.</p>		

<b>Geography</b>			<b>The Americas</b> A regional study in North America: New York and Mexico City (including time zones).			<b>Map Reading and Orienteering</b> Focus on geographical skills, fieldwork and map reading. Orienteering on Cannock Chase.
<b>Art</b>	<b>Artist Focus:</b> Bruce Gray, Piet Mondrian and DFT Mechanimals from the story Cogheart. <b>Drawing Techniques:</b> <b>Still Life</b>		<b>Using a Range of Media</b> <b>Artist Focus:</b> Kim Poor Experimenting with a range of mediums and focusing on a variety of the element; colour, space and texture.		<b>Printing: Landscapes</b> <b>Artist Focus:</b> Robert Seldon Duncanson Recreate the style of Duncanson using the elements of line, value and colour to produce landscapes of Cannock Chase. Experiment with a variety of printing techniques.	
<b>DT</b>		<b>Electrical systems</b> Design and make a nightlight with control system. Thomas Edison		<b>Cooking and Nutrition</b> Serve a salad Peter Durand Tom Kerridge		<b>Cams</b> Design and make a moving toy using a range of cams Ole Kirk Kristiansen.
<b>Computing</b>	Computing systems and networks – Sharing information	Creating media – Vector drawing	Data and information –	Creating media – Video editing Flat-file databases	Programming A – Selection in physical computing	Programming B – Selection in quizzes
	Online Safety to be delivered through Education for a connected World					
<b>RE</b>	<b>Sacred Writings</b> Exploring a variety of forms of literature found in sacred books and investigating a range of religious teachings.	<b>Peace</b> Exploring the symbolic use of a wide range of objects, sounds, visual images, actions and gestures and making suggestions as to the intended meaning they might have for believers.	<b>Religious Diversity: Happiness</b> Exploring the diversity of a range of religious traditions and identifying and reflecting on similarities and differences.	<b>Easter: Suffering</b> Investigating and reflecting on a range of religious responses to suffering, hardship and death.	<b>Wise Words</b> Exploring the origins of sacred writings and considering their importance for believers today.	<b>Values and Beliefs</b> Investigating the life of a person who has been inspired by their faith and making links between belief and action.
<b>PSHE</b>	<b>Being Me in the World</b> Who are my new class? What are our rights? What is our class charter?	<b>Celebrating Differences (including Anti Bullying)</b> What are the differences between	<b>Dreams and Goals</b> How dreams and goals change in different cultures?	<b>Healthy Me</b> What roles can food play and how can this impact body image?	<b>Relationships</b> How can I stay safe when using technology to communicate?	<b>Changing Me</b> What changes happen during puberty?

		direct and indirect bullying?				
<b>PE</b>	<b>Gymnastics</b> Unit 5 <b>Games</b> Unit 3 Invasion	<b>Gymnastics</b> Unit 5 Health & Fitness	<b>Dance</b> Unit 5 Leadership Module	<b>Dance</b> Unit 5 OAA Activities Unit 1	<b>Games</b> Unit 3: Invasion <b>Athletics</b> Unit 3	<b>Games</b> Unit 3: Strike & Field <b>Games</b> Unit 2: Net & Wall
<b>Music</b>	<b>Livin' on a Prayer</b> Exploring rock anthems	<b>The Fresh Prince of Bel Air</b> Old-School Hip-Hop	<b>Dancing in the Street</b> Exploring Motown	<b>Brass</b> Delivered by specialist Music Teacher		
<b>MFL</b>	<b>On Holiday</b> Children will learn to say more countries, holiday accommodations, vocabulary associated with the zoo, beach and theme park and begin to use the perfect past tense.	<b>Eating Out</b> Children will learn to ask for items in a shop or restaurant, ask how much things cost, some basic weights and how to order for others in a restaurant.	<b>Hobbies</b> Children will learn to name hobbies, talk about types of music and giving a variety of opinions, say what musical instruments they play and talk about different types of film.	<b>A School Trip</b> Children will learn the perfect past tense, the future tense, some common verbs and vocabulary associated with a trip to a museum and the countryside.	<b>Seasons</b> Children will learn the names of seasons, to talk about seasonal activities, to say the date and when their birthday is, to name craft materials and to follow craft instructions.	<b>The Environment</b> Children will learn to say what the weather is like, name garden creatures, talk about garden activities and talk about recycling.