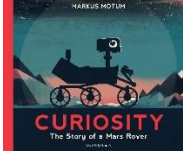

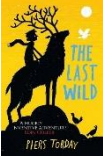




Year 5 Curriculum Overview

	Autumn	Spring	Summer
	Curiosity: The story of a Mars Rover By Markus Motum 	Twitch by M.G. Leonard 	The Last Wild by Piers Torday 
English	<p>Writing to include:</p> <ul style="list-style-type: none"> • Curiosity journal • Role on the Wall • Job description • Poster • Research notes • Non-chronological texts • Illustration spread • Hot-seating questions • Writing in role • Eyewitness accounts • News piece • Job application • Diagrams, charts and graphic models • Double Bubble • Oral presentation • Competition entry • Exhibition labels • Speech • Biography • Documentary script • Research reports <p>Grammar to include:</p> <ul style="list-style-type: none"> • Verb prefixes (e.g., dis-, de-, mis-, re-) • Relative clauses • Pronoun to aid cohesion • Commas & parenthesis to clarify • Adverbials of time, place & number • Adverbs or modal verbs for degrees of possibility • Paragraphs to organise ideas • Subheadings to aid presentation • Brackets, dashes or commas to indicate parenthesis • Explore levels of formality 	<p>Writing to include:</p> <ul style="list-style-type: none"> • Knowledge Organisers • Balanced Argument • Personal Writing • Poetry • Explanatory Writing • News Report • Extended Narrative • Information book • Writing in role - diary • Mystery genre short story <p>Grammar to include:</p> <ul style="list-style-type: none"> • Punctuated direct speech • Compare standard English forms and spoken forms • Formation of verbs using suffixes (-ate, -ise, -ify) • Adverbs or modal verbs for degrees of possibility • Figurative language, including metaphor, simile, personification • Devices to build cohesion • Expanded verb, adverbial & noun phrases • Relative clauses • Brackets, dashes or commas to indicate parenthesis • Passive and active voice 	<p>Writing to include:</p> <ul style="list-style-type: none"> • Annotations • Text marking • Note taking • Newspaper report • Writing in Role • Poetry (Free verse / Kenning / Haiku) • Story mapping • Script • Balanced argument • Extension to narrative <p>Grammar to include:</p> <ul style="list-style-type: none"> • Explore levels of formality • Subjunctive forms • Adverbs or modal verbs for degrees of possibility • Progressive form of verbs to mark actions in progress • Figurative language, including metaphor, simile, personification • Verb prefixes (e.g., dis-, de-, mis-, re-) • Inverted commas to punctuate direct speech • Devices to build cohesion within a paragraph • Adverbials of time, place & number



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Maths	<p>Number and Place Value</p> <p>Reading and writing numbers up to 1,000,000</p> <p>Comparing and rounding of numbers</p> <p>Roman numerals to 1000</p> <p>Number - Addition and Subtraction</p> <p>Written methods to add and subtract whole numbers</p> <p>Use of inverse operations</p>	<p>Number - multiplication and division</p> <p>Finding factors, multiples, square and prime numbers</p> <p>Multiplying and dividing by 10, 100, 1000</p> <p>Fractions</p> <p>Recognising and finding equivalent fractions</p> <p>Adding and subtracting fractions and mixed numbers</p>	<p>Number - multiplication and division</p> <p>Multiplying whole numbers up to 4 digit by 2 digit</p> <p>Use of short division to divide numbers by a single digit</p> <p>Fractions</p> <p>Multiplying a fraction by an integer</p> <p>Finding a fraction of an amount</p>	<p>Decimals and Percentages</p> <p>Recognising and comparing decimals up to 3dp</p> <p>Recognising percentages as fractions and decimals</p> <p>Measurement - perimeter and area</p> <p>Calculating the area and perimeter of rectangles and rectilinear shapes</p> <p>Statistics</p> <p>To draw, read and interpret line graphs</p> <p>To draw, read and interpret timetables</p>	<p>Geometry - Properties of Shape</p> <p>Measuring and drawing angles up to 180o</p> <p>Calculating angles around a point and straight line</p> <p>Identifying regular and irregular polygons and 3D shapes</p> <p>Position and Direction</p> <p>Problem solving with coordinates</p> <p>Translation of shape using coordinates</p> <p>Symmetry and reflection</p>	<p>Decimals</p> <p>Add and subtract decimal numbers</p> <p>Negative numbers</p> <p>Compare and order negative numbers</p> <p>Measurement</p> <p>Converting metric units of measurement</p> <p>Converting units of time</p> <p>Estimating volume and capacity</p>
	RE CST	<p>Creation and Covenant</p> <p>Retell the story of Moses focusing on the call and covenant (the Burning Bush, the Sinai Covenant and the Ten Commandments)</p> <p>Showing how the Ten Commandments help us live good and happy lives</p> <p>CST: Care for Creation</p> <p>Other Faith: Hinduism (End of October - Diwali)</p> <p>Brahman - Belief in one God</p>	<p>Prophecy and Promise</p> <p>Showing an understanding of the life of David and a shepherd as a leader</p> <p>Show understanding of Scripture passages which show Jesus as a fulfilment of David's promise</p> <p>CST: Preferential Option for the Poor</p> <p>Other Faith: Judaism (End of December - Hanukkah)</p> <p>Revision of the Passover - Belief in one</p>	<p>Galilee to Jerusalem</p> <p>Recognising the Beatitudes as a way leading a blessed life and making links between them and the Ten Commandments</p> <p>Describing the transfiguration and what it shows us of the importance of Moses and Elijah</p> <p>CST: Solidarity and Peace</p>	<p>Desert to Garden</p> <p>Making links between Ash Wednesday and Lent as a time of reflection</p> <p>Describing the term 'conscience' and Catholics belief in the resurrection</p> <p>Knowing the rosary as a prayerful reflection of the life of Christ</p> <p>CST: Community and Participation</p> <p>Other Faith: Islam (Mid March - Eid al-Fitr)</p> <p>Ramadan and pilgrimage</p>	<p>To the Ends of the Earth</p> <p>Showing knowledge and understanding of the Sacrament of Confirmation</p> <p>Describing the gifts of the Holy Spirit and how they help Christians be good disciples</p> <p>Using the lives of Mary and other saints to explain the term 'discipleship'</p> <p>CST: Dignity of Workers</p>



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		God who cares for his people				
Science	<p>Earth and Space</p> <p>Exploring why we have day and night</p> <p>Investigating celestial objects in space</p> <p>Looking at models of the solar system: Geocentric and Heliocentric</p>	<p>Properties and changes of materials</p> <p>Exploring different materials and their uses</p> <p>Identifying thermal conductors and insulators</p> <p>Exploring mixing, separating, reversible and irreversible changes</p>	<p>Animals including humans</p> <p>Human life cycle including puberty and pregnancy</p> <p>Exploring differences and similarities in other animal life cycles</p>	<p>Forces</p> <p>Investigating friction including air and water resistance</p> <p>Identifying what gravity does</p>	<p>Living things and their habitats</p> <p>Exploring how different animal develop including metamorphosis</p> <p>Investigating the need for variation among living things</p>	<p>The scientific method</p> <p>Exploring the use of variables, equipment and data</p> <p>Investigating benefits of scientific method</p>
History			<p>WW2</p> <p>Timelines</p> <p>significant historical figures</p> <p>the blitz</p> <p>home front</p> <p>rationing and evacuees.</p>	<p>Vikings</p> <p>Who were the Viking's?</p> <p>Trade, raids & travel</p> <p>Learn from maps, photos, art and artefacts.</p>		<p>Ancient Greece</p> <p>Ancient Greece</p> <p>Athens/Sparta comparison</p> <p>Influences of famous Greeks on the rest of the world</p>
Geography	<p>Our Local Area</p> <p>The children will use grid referencing maps to identify features of their local area and plan journeys from one point to another. They will also use the terms "physical" and "human features" from previous units to investigate what their local area contains and how they could improve it by making changes.</p>	<p>Our Connected World</p> <p>This unit enables the children to develop an understanding of time zones, how the world is connected and how geographers divide the world into sections for locational purposes (latitude, longitude and tropics). They will learn about global trade,</p>			<p>Our Blue Planet</p> <p>Carrying on from the work in science on the Water Cycle, the children will identify the range of bodies of water on our planet and their physical and human features. They will then research changes to these water bodies and the impact it has had on local and global climates, and</p>	



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		<p>understanding how goods are moved around the world and the impact of weather. They will also learn about drought and flooding and how these can be devastating for farmers and crops.</p>			<p>how we can conserve our world.</p>	
Computing	<p>Data Information: Flat file databases</p> <p>Using tools within a database to order and answer questions about data.</p> <p>Creating graphs and charts from data to help solve problems.</p> <p>Using a real-life database to answer a question, and present their work to others.</p>	<p>Computing systems and Network: Systems and Searching</p> <p>Developing understanding of computer systems and how information is transferred between systems and devices.</p> <p>Discovering how information is found on the World Wide Web, through learning how search engines work (including how they select and rank results) and what influences searching, and through comparing different search engines.</p>	<p>Programming: Selection in quizzes</p> <p>Developing knowledge of selection by revisiting how conditions can be used in programs and then learning how the If... Then... Else structure can be used to select different outcomes depending on whether a condition is true or false.</p> <p>Using Scratch, writing programs and using selection to control outcomes to design a quiz in response to a given task and implement it as a program.</p>	<p>Creating Media: Introduction to Vector Graphics</p> <p>Recognising that images in vector drawings are created using shapes and lines, and each individual element in the drawing is called an object.</p> <p>Learning to layer objects and begin grouping and duplicating them to support the creation of more complex pieces of work.</p>	<p>Programming: Selection in physical computing</p> <p>Through use of Crumble, learning how to connect and program components (including output devices- LEDs and motors)</p> <p>Looking at conditions as a means of controlling the flow of actions and make use of their knowledge of repetition and conditions when introduced to the concept of selection (through the if, then structure).</p>	<p>Creating Media: Video production</p> <p>Trip to Discover - creation of imovie using green screen</p>
Art	<p>Painting and mixed media: Portraits</p> <p>Develop skills in creating interesting portrait drawings using words, experimenting with materials and techniques, and constructing self-portrait that represent aspects of themselves.</p>		<p>Drawing: I need space</p> <p>Exploring the purpose and impact of images from the 'Space race' era of the 1950s and 60s; developing independence and decision-making using open-ended and experimental processes; combining drawing and collagraph printmaking to</p>		<p>Sculpture and 3D: Installation art</p> <p>Learning about the features of installation art including identifying and comparing art installations, exploring space and scale in 3D art, problem-solving in construction, planning installations to communicate</p>	



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			create a futuristic image.		ideas and applying knowledge to develop and present installation art piece effectively.	
D&T		Textiles: Stuffed Toys Designing a stuffed toy and making decision on materials, decoration and attachments (appendages) after learning how to sew blanket stitch		Mechanical Systems: Pop up book Designing a pop-up book which uses a mixture of structures and mechanisms including sliders, pivots, layers and spacers		Food and Nutrition: Developing a recipe Learning a simple Bolognese recipe and that recipes can be adapted to suit nutritional needs and dietary requirements.
RHE	Created and loved by God Religious understanding Me, my body and my health Emotional well-being Life cycles		Created to Love Others Religious understanding Personal relationships Keeping safe		Created to live in a community Religious understanding Living in the wider world	
Music		Songs of World War 2 Developing greater accuracy in pitch and control; identifying pitches within an octave when singing and using knowledge of pitch to develop confidence when singing in parts.	Developing Singing Technique The children develop their singing technique. Learning to keep in time and work on musical notation and rhythm, the unit finishes with a group performance of a song with actions.			Musical Theatre Children are introduced to musical theatre, learning how singing, acting and dancing can be combined to give an overall performance.
PE	Invasion Games	Invasion Games	Foundations of Gymnastics Dance	Net and Wall Games Dance	Athletics Swimming programme	Striking and Fielding Swimming programme
Spanish	Rooms in my house Furniture in my bedroom		Daily routine School subjects and timetable		Brothers and sisters Family members	



Year 5 Curriculum Overview

	Day of the Dead		Numbers 1-100 Hobbies
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