

Year 5, Spring Term 2023



Subjects which are taught every week: English, Maths, RHE, Science, PE, Music

Core Subjects

English	<p>Core texts:</p> <ul style="list-style-type: none">● <i>Africa, Amazing Africa</i> (Atinuke)● <i>The Last Bear</i> (Hannah Gold) <p>Class Read:</p> <ul style="list-style-type: none">● Continuation of <i>Welcome to Nowhere</i> (Elizabeth Laird)● <i>Children of the Benin Kingdom</i> (Dinah Orji)
Maths	<p>Times Table Focus: Spring 1: 7 Spring 2: 9</p> <p>Spring areas of study: Spring 1:</p> <ul style="list-style-type: none">● Place-Value of numbers to 1 Mio.,● Multiplying & Dividing 4- x 1- digit to 4- x 2- digit numbers● Fractions of an amount● Multiplying fractions <p>Spring 2:</p> <ul style="list-style-type: none">● 3-D Shapes & calculating angles in 2D shapes● Decimals (place-value, compare, order, subtract, multiply, divide)● Decimals as fractions and percentages
Science	Forces Properties of materials

Weekly Foundation Subjects

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PE	Taught on Tuesday & Thursday (London Bridge Class) Monday & Tuesday (Cannon Street Bridge Class)
RHE	Spring areas of study: <ul style="list-style-type: none"> ● Dreams and Goals ● Healthy Me
Spanish	Taught on Tuesdays by Mrs Grundey. Spring areas of study: <ul style="list-style-type: none"> ● Pets ● Visiting a cafe
Music	Taught on Wednesdays by Mr Regan. Children will have the choice to learn either keyboard or guitar. Learning will focus on the elements of music, musicianship, performance skills and composition.

Week	Subject	Topic Area	Key Skills	Key Vocabulary	Concept Threads
Week 1 -4th January <i>2nd January Bank Holiday</i> <i>3rd January INSET</i>	ICT	Decoding and Computational Thinking (Scratch) Cryptographers and Cracking Codes	Can use and combine a range of programs on multiple devices. Can design and create programs on a computer in response to a given goal. Can design, write and debug a program using a block language based on their own ideas. Can experiment with computer control applications.	design, create, rule-based, algorithm, sequence, debug, program, control, trial, error, decomposition, repetition, error, reason,	programming, debugging, researching, problem solving, e-safety, algorithms, analysing data, digital footprint, editing and publishing

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			<p>Can plan a solution to a problem using decomposition.</p> <p>Can use sequence, selection and repetition in programs.</p> <p>Can write a program that accepts keyboard and mouse input and produces output on screen and through speakers.</p> <p>Can explain a ruled-based algorithm in their own words.</p> <p>Can use logical reasoning to detect errors in algorithms.</p>		
Week 2 - January 9th	ART	<p><u>Pattern and shape/Line and tone</u></p> <p><u>Texture</u> -Resist/textiles</p> <p><u>Colour through painting</u> -Monochrome</p>	<p>Able to use a sketchbook to collect, research patterns / shape / cultural differences / similarities (African art) (<i>Pattern and shade</i>)</p> <p>Able to use sketchbooks to plan and organise work.</p>	<p>pattern, shape, line, tone, hue, monochrome, mixed media, sketch, crosshatch, primary colours, secondary colours, tints, textiles, dye</p>	<p>expression, culture, technique, interpret, contrast, colour and tone, perspective, creativity, line and shape</p>
Week 3 - January 16th	ART	see above	Can produce a resist textile, showing	see above	see above

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			<p>understanding of resist method. <i>(Pattern and shade)</i> Can produce varied monochrome tones <i>(Colour through painting)</i></p>		
Week 4 - January 23rd	RE	<ul style="list-style-type: none"> Sikhism - Sacred and inspirational writings. 	<p>Explain what vows mean to me and others. Understand the significance of prayer. Apply ideas about religions and world views thoughtfully. Investigate Sikh symbols and sayings. Understand how sayings impact people's lives</p>	<p>Guru Granth Sahib, Guru Gobind Singh, 5Ks (Kalsa, Kachera, Kara, Kirpan, Kangha). Guru • Granth • Sahib • Gurmukhi • Rumala • Respect • Chauri • Granthi • Akhand • Ik • Onkar Granthi • Path • Gurmurkhi</p>	<p>Holy book, symbols, celebration, place of worship, holy figures, stories, theology</p>
Week 5 - January 30th	Geography	Wonders of the natural world. (Geology, climate zones and biomes)	<p><u>begin</u> to suggest questions for investigating, <u>begin</u> to <u>use</u> primary and secondary sources of evidence in their investigations, <u>investigate</u> places with more emphasis on the larger scale; contrasting and distant</p>	<p>Geology, Human Geography, Physical Geography, Topography, Plate Tectonics, Alfred Wegener, Core, Mantle, Crust, Convection, plate-boundary, convergent, divergent, transform, subduction, Volcano,</p>	<p>sustainability, diversity, environment, physical world, human world, place and space, scale, interconnection, fairness and equality, conflict, patterns, continuity and change</p>

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			<p>places, <u>analyse evidence</u> and <u>draw conclusions</u> (e.g. compare historical maps of varying scales e.g. temperature of various locations - influence on people/everyday life), <u>begin to draw a variety of thematic maps</u> based on their own data, <u>draw a sketch map</u> using symbols and a key</p>	<p>Earthquake, Tsunami, Forces, pressure, build-up, release, Zonality, Climate Zones, Vegetation Zones, Biomes,</p>	
<p>Week 6 - February 6th <i>DT trip to Ludoquist</i></p>	<p>Geography</p>	<p>Finish “Wonders of the Natural World” Case Study - Africa - Strategies adapting to a changing world</p>	<p>begin to suggest questions for investigating, begin to use primary and secondary sources of evidence in their investigations, investigate places with more emphasis on the larger scale; contrasting and distant places, Collect and record evidence unaided, analyse evidence and draw conclusions (e.g. compare historical</p>	<p>Geology, Human Geography, Physical Geography, Topography, plate-boundary, fold-mountains, Climate Zones, Vegetation Zones, Biomes, glacier, Global Warming, emission, fossil fuel, renewable energy, Sustainability, Responsibility, Preservation, long-term, short-term effects, climate,</p>	<p>sustainability, diversity, environment, physical world, human world, place and space, scale, interconnection, fairness and equality, conflict, patterns, continuity and change</p>

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			maps of varying scales e.g. temperature of various locations - influence on people/everyday life),	weather, sea-level, carbon dioxide, methane, greenhouse gases,	
HALF TERM					
Week 1 - February 20th	ICT	Geometry & Art (Inkscape)	Use a range of computer programs, Work collaboratively, Design, plan and create on a computer to a given goal, Use decomposition, sequencing, selection and repetition, use logical reasoning to detect and fix errors,	geometry, art, tessellation, algorithm, repetition, sequence, control, design, diagram, annotate, trouble-shoot, detect, decompose, fix	programming, debugging, researching, problem solving, e-safety, algorithms, analysing data, digital footprint, editing and publishing
Week 2 - February 27th	DT	Design and Make an electrical board game (Mechanism and Electronics)	understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]; use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose and aimed at particular individuals or groups;	circuit, electricity, components, crocodile clips, switch, loop, buzzer, motor, battery, cell, mechanics, mechanism, sketch, annotate, diagram, prototype, pattern, goal, purpose, design cycle, feedback, research, annotate, adapt,	marketing, research, design, innovate, annotate, design, functionality, test evaluate, adapt, creativity, implement, aesthetics,

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			generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design (CAD); understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages];		
Week 3 - March 6th	DT	Design and Make an electrical board game (Mechanism and Electronics)	see above	see above	see above
Week 4 - March 13th <i>Science Week</i>	SCIENCE WEEK ACTIVITIES	SCIENCE WEEK ACTIVITIES	SCIENCE WEEK ACTIVITIES	SCIENCE WEEK ACTIVITIES	SCIENCE WEEK ACTIVITIES
Week 5 - March 20th	Geography	Global warming and energy preservation	begin to suggest questions for investigating, begin to use primary and secondary sources of evidence in their investigations, investigate places with more emphasis on the larger scale;	Global Warming, emission, fossil fuel, renewable energy, Sustainability, Responsibility, Preservation, long-term, short-term effects, climate, weather, sea-level, carbon dioxide,	sustainability, diversity, environment, physical world, human world, place and space, scale, interconnection, fairness and equality, conflict, patterns, continuity and change

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			<p>contrasting and distant places, Collect and record evidence unaided, analyse evidence and draw conclusions (e.g. compare historical maps of varying scales e.g. temperature of various locations - influence on people/everyday life), compare maps with aerial photographs,</p>	<p>methane, greenhouse gases, tipping point, IPCC, Pleistocene, Holocene,</p>	
Week 6 - March 27th	RE	Christian lifestyle and celebration (Easter through art)	<p>Enquire into and interpret ideas, sources and arguments. Communicate responses through different modes of expression.</p>	<p>Jesus, resurrection, crucifix, Easter, Christian, Church, bible, artist, depiction, story,</p>	<p>Holy book, symbols, celebration, place of worship, holy figures, stories, theology</p>