



Curriculum Overview: Year 5 Academic Year 2022-23

Subject	Autumn	Spring	Summer
English	<p>Why the whales came - Warning tale Characterisation</p> <p>Protect the whales – recount</p> <p>Medusa and Perseus - Setting</p> <p>How to defeat a monster - Explanation</p> <p style="text-align: center;">Reading</p> <p>DERIC Questions – A range of decoding, explanation, reasoning, inference and choice questions.</p>	<p>Beowulf - Description</p> <p>Should monsters be saved? – Discussion</p> <p>The Lion the witch & the wardrobe – Fantasy</p> <p>How to use a time portal - Instructions</p> <p style="text-align: center;">Reading</p> <p>DERIC Questions – A range of decoding, explanation, reasoning, inference and choice questions.</p>	<p>The Diary of Anne Frank - Suspense</p> <p>Should everyone be treated the same – Persuasion</p> <p>Billy the Kid by Michael Morpurgo - Action</p> <p>What is a Chelsea pensioner - Information</p> <p style="text-align: center;">Reading</p> <p>DERIC Questions – A range of decoding, explanation, reasoning, inference and choice questions.</p>
Maths	<p style="text-align: center;">Maths No Problem</p> <p style="text-align: center;">Number and Place Value</p> <p>Numbers to 1000,000 – Reading, writing, comparing, rounding</p> <p style="text-align: center;">Calculation</p> <p>Addition and subtraction methods</p> <p>Multiplication and division methods</p> <p>Word problems</p> <p style="text-align: center;">Statistics</p> <p>Graphs</p> <p>Mental maths strategies</p>	<p style="text-align: center;">Maths No Problem</p> <p>Word problems</p> <p>Tables and graphs</p> <p style="text-align: center;">Fractions, Decimals and Percentages</p> <p>Fractions</p> <p>Decimals</p> <p>Percentages</p> <p style="text-align: center;">Geometry</p> <p>Properties of shapes</p> <p>Mental maths strategies</p>	<p style="text-align: center;">Maths No Problem</p> <p style="text-align: center;">Geometry</p> <p>Position and direction and movement</p> <p style="text-align: center;">Measurement</p> <p>Measurements</p> <p>Area and perimeter</p> <p>Volume</p> <p style="text-align: center;">Number and Place Value</p> <p>Roman numerals</p> <p style="text-align: center;">Review and Revision</p> <p>Mental maths strategies</p>
Science	<p>Working Scientifically</p> <ul style="list-style-type: none"> •planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary •taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate •recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and 		

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	<p style="text-align: center;">line graphs</p> <ul style="list-style-type: none"> •using test results to make predictions to set up further comparative and fair tests •reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations •identifying scientific evidence that has been used to support or refute ideas or arguments 		
Science	<p style="text-align: center;">Earth and space:</p> <ul style="list-style-type: none"> •describe the movement of the Earth and other planets relative to the sun in the solar system •describe the movement of the moon relative to the Earth •describe the sun, Earth and moon as approximately spherical bodies •use the idea of the Earth’s rotation to explain day and night and the apparent movement of the sun across the sky <p style="text-align: center;">Forces:</p> <ul style="list-style-type: none"> •explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object •identify the effects of resistance and friction, that act between moving surfaces •recognise that some mechanisms allow a smaller force to have a greater effect 	<p style="text-align: center;">Properties and changes of materials:</p> <ul style="list-style-type: none"> •compare and group the properties of everyday materials •know that some materials will dissolve in liquid to form a solution, and how to recover a substance from a solution •decide how mixtures might be separated •give reasons for the particular uses of everyday materials, including metals, wood and plastic •demonstrate that dissolving, mixing and changes of state are reversible •explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including: burning and the action of acid on bicarbonate of soda 	<p style="text-align: center;">Animals including humans:</p> <ul style="list-style-type: none"> •describe the changes as humans develop to old age including puberty <p style="text-align: center;">Living things and their habitats:</p> <ul style="list-style-type: none"> •describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird •describe the life process of reproduction in some plants and animals (in human sexual reproduction)
Computing	<p style="text-align: center;">Online safety</p> <p>Computing systems and networks: Search engines</p> <p>Using keywords and phrases, identifying inaccurate information, learning page rank works as well. Applying programming skills to create sounds and melodies leading to a battle of the bands performance</p>	<p style="text-align: center;">Online safety</p> <p>Data transfer and binary code</p> <p>The meaning and purpose of programming</p>	<p style="text-align: center;">Online safety</p> <p>Storyboarding ideas, taking photographs and editing to create a video animation</p> <p style="text-align: center;">3D design skills</p>

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History	<p>What did the Greeks do for us? To identify the Ancient Greek civilisation. To investigate the Greek alphabet and the contributions of Greek scholars. Similarities and differences between schools then and now and Ancient versus Modern Olympic Games.</p>	<p>Who won the battle between the Vikings and Anglo-Saxons? Britain before the Viking invasion. Why and how they invaded. How they settled. King Alfred the Great. Investigating the end of the Anglo-Saxon and Viking era.</p>	<p>Who were the great women who changed the world? To identify and understand the influence of Florence Nightingale, Marie Curie, Rosa Parks and Joan Clarke on our lives today.</p>
Geography	<p>Would you go on holiday on a mountain? Location and formation of mountains. Geographical features. Climate on a mountain. Tourist destination.</p>	<p>Where do all of our things come from? Understand natural resources. Identifying renewable forms of energy. Production of wood, steel and glass and the effects on the world. Carbon footprints.</p>	<p>How is our local area changing? To identify human and physical features of the local area and the changes. Using an 8-point compass, digital and OS maps. What will the future look like?</p>
Art and design	<p>Formal Lessons of Architecture Learning how to draw from observation, creating a print and drawing from different perspectives. Learning about the role of an architect and considering why houses look the way they do and if there is scope to change and improve them.</p>	<p>Every Picture Tells a Story Analysing the intentions of the artist Banksy; creating symmetry ink prints inspired by psychologist Rorschach; telling a story using emojis; recreating a poignant war scene through drama and creating art inspired by the ceramic work of Magdalene Odundo.</p>	<p>Design for a Purpose Designing to a specific criteria or specification, developing design ideas for a room interior, a coat of arms and product to fit a given name, learning to draw inspiration from different sources and experiment with a range of techniques.</p>

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Design and technology	<p align="center">Electrical Systems</p> <p>Explore series circuits further and introduce motors. Investigating an existing product, which uses a motor, to encourage pupils to problem-solve and work out how the product has been constructed, ready to develop their own.</p>	<p align="center">Mechanical Systems</p> <p>Creating a four-page pop-up storybook design incorporating a range of mechanisms and decorative features, including: structures, levers, sliders, layers and spacers.</p>	<p align="center">What could be healthier?</p> <p>Researching and modifying a traditional bolognese sauce recipe to make it healthier. Children cook their healthier versions, making appropriate packaging and learn about farming cattle.</p>
Religious Education	<p align="center">Prayer and Worship:</p> <p>Do you need a place to pray? Why do you need to pray? To express their thoughts or feelings about the need for a special place for prayer.</p> <p align="center">Symbols and Artefacts:</p> <p>How is religion represented in art? To study the architecture and understand the layout of religious buildings, comparing similarities to other places of worship.</p>	<p align="center">Celebrations:</p> <p>Why do religions have celebrations? (Easter, Eid, Holi, Yom Kippur) To explore the variety of celebrations in religions and understand their purpose and connection.</p> <p align="center">Religious Attire:</p> <p>Should everyone in a religion wear the same religious clothing? To make informed responses about religious attire giving reasoned explanation.</p>	<p align="center">Food and Mutual Respect:</p> <p>Can different religions live together in the world? To explain connections between beliefs, values and practices in different religions and to need for everyone to respect these.</p> <p align="center">Symbols or Images:</p> <p>Study religious building – compare and discuss (Synagogue, Mosque, Temple, Church) To study the architecture and understand the layout of religious buildings, comparing similarities to other places of worship.</p>
French	<p align="center">On Holiday</p> <p>French revision: vocabulary</p>	<p align="center">Eating out</p> <p>French revision: Vocabulary</p>	<p align="center">Hobbies</p> <p>French revision: Vocabulary</p>
Music	<p>Appraising music and listening for pulses and beat</p>	<p>Appreciation of different genres of music – hip hop, world music Listening and appraising music</p>	<p>Use and understand staff and other musical notation</p>
Physical Education	<p align="center">Swimming Outdoor adventure (Orienteering) Football</p>	<p align="center">Dance Netball Volleyball Basketball</p>	<p align="center">Athletics Cricket Badminton Rounders</p>
PSHE / Mind Up	<p align="center">Being Me in My World Celebrating Differences</p>	<p align="center">Dreams and Goals Healthy Me</p>	<p align="center">Relationships Changing Me</p>

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Educational Visits/experiences		Making Viking longboats - workshop Delight in Watts (6 week arts program)	British Film Institute (tbc)