 Year 5 – Curriculum Overview

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| Circle of Life | * 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 * Find out about the work of David Attenborough and Jane Goodall |
| Blast Off! | * Describe the movement of the Earth and other planets relative to the Sun in the solar system * Understand the movement of the Moon relative to the Earth * Understand Earth’s rotation to explain night and day * Understand the act of gravity on a falling object * Understand the effect of air resistance, water resistance an friction between moving surfaces * Recognise that some mechanisms allow a smaller force to have a greater effect (pulleys, levers and gears) * Identify the position and significance or the meridians around the Earth; to include time zones, latitude, longitude, and Tropics of Cancer etc. * Find out about Ptolemy, Galileo Galilei, Isaac Newton, Copernicus and Alheazen |
| Anglo Saxons and Vikings | * Britain settlement by Anglo-Saxons and Scots * The Viking and Anglo-Saxon struggle for kingdom of England to the time of Edward the Confessor * Complete a local history study – Saxon Warrior and Lenham |
| Fizz, Bang Pop! | * Compare and group together everyday materials on the basis of their properties and their response to magnets * Know that some materials will dissolve in liquid to form a solution and how to recover a substance from a solution * Use knowledge of solids, liquids and gases to decide how mixtures might be separated * Be able to give reasons from evidence from comparative and fair tests * Know that dissolving, mixing and changes of state are reversible * Know that some changes result in the formation of new materials that are not reversible * Find out about the work of Spencer Silver and Ruth Benerito |
| Extreme Earth | * Physical geography including volcanoes and earthquakes * Use the 8 points of a compass forming 6 figure grid references * Use maps, atlases, globes and digital/computer mapping to locate countries and features * Study human geography including types of settlements and land use, economic and trade links, distribution of natural resources including food, energy, minerals and water. |
| Growing up | * Describe the changes as humans develop to old age to include SRE * Cook savoury dishes for a healthy and varied diet |

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| Computing |
| * Design and write programs to solve problems * Use sequence, repetition, inputs, variables and outputs in programs * Detect and correct errors in programs * Understand uses of networks for collaboration and communication * Be discerning in evaluating digital content |

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| PE Coverage |
| * Play competitive games, modified where appropriate and apply basic principles suitable for attacking and defending * Use running, jumping, throwing and catching in isolation and combination * Develop flexibility, strength, technique, control and balance * Perform dances using a range of movement patterns * Communicate, collaborate and compete with each other * Compare performances and demonstrate improvement to achieve personal best   To be achieved through Dance, Gymnastics, Swimming, Athletics, Outdoor Adventurous Activity, Invasion games, Striking and Fielding games, Net and Wall games |

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| Music Coverage |
| * Perform with control and expression solo and in ensemble * Improvise and compose using dimensions in music * Listen to detail and recall aurally * Use and understand basics of staff notation * Develop an understanding of the history of music, including great musicians and composers |

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| Art and Design Coverage |
| * Use sketchbooks to collect, record and evaluate ideas * Improve mastery of techniques such as drawing, painting and sculpture with varied materials * Learn about great artists, architects and designers |

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| Religious Education Coverage |
| Following the Kent Syllabus |