 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
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| 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
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| 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
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| 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
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| 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.
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| 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 |