



Year 5 - Curriculum Overview

Circle of Life	<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• Find out about the work of David Attenborough and Jane Goodall
Blast Off!	<ul style="list-style-type: none">• 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 and 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 of 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	<ul style="list-style-type: none">• 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!	<ul style="list-style-type: none">• 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

	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Describe the changes as humans develop to old age to include SRE • Cook savoury dishes for a healthy and varied diet

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

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

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

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

Modern Languages

- **French Listening**: Gain an understanding of a text through listening; select the correct spelling of a familiar word.
- **Speaking**: Express simple opinions by taking part in conversations; use intonation to differentiate between sentence types; create a short piece to present.
- **Reading**: Read aloud a short text; learn a song or poem with support; use dictionaries.
- **Writing**: write phrases from memory; use adjectives to describe people and things; make changes to an adjective; adapt to form negative sentences and asking questions.

Religious Education Coverage

Following the Kent Syllabus