Year 4 Curriculum Overview

2022-2023

English

Reading:

*Apply growing knowledge of root words, prefixes, suffixes and further exception words.
*Develop positive attitudes to reading and understanding of a wide range of texts (including the use of skills and understanding of vocabulary, inference, prediction, explanation, retrieval and sequencing: VIPERS); using a dictionary to check meaning.

Writing:

*Spelling: further prefixes and suffixes, homophones and Y4 rules.
*Handwriting: increasing legibility and use of diagonal/horizontal strokes to join, with line spacing.
*Composition: discuss in planning stage; draft and write organising paragraphs around a theme; narratives creating settings, characters and plot; non-narrative using simple organisational devices; evaluate and edit - drafting. Entertain, inform, persuade.
*Vocabulary, grammar and punctuation: Wider range of conjunctions; perfect present tense, nouns and pronouns for non-repetitive clarity, adverbs, prepositions, fronted adverbials, apostrophes for contraction and possession (singular and plural), using and punctuating direct speech.

Science

Sensational Sound: Children will explore and identify the way sound is made through vibration in a range of different musical instruments and how we change the way it sounds.

Exciting Electricity: Children will construct and investigate simple series circuits using a range of different components.

Magnificent Matter: Children will explore a variety of everyday materials and develop simple descriptions of the states of matter - their role in the water cycle.

Amazing Anatomy: The Digestive System: Children will be introduced to the main body parts associated with the digestive system and understand their special functions.

Life Lab: Environments: Children will use their local environment to raise & answer questions to identify and study plants and animals in their habitat.

Mathematics

Numbers and place value: Count multiples of 6, 7, 9, 25, 1000; 4 digit numbers, rounding to nearest 10, 100, 1000, Roman numerals I-C.

Addition and Subtraction: Mental and standard column methods for +/- of 4 digit numbers; use estimates & inverse to check.

Multiplication and Division: Recall facts for tables up to 12x12; formal methods for 3dig x 1dig., x0, x1, x 3 numbers, scaling

Fractions: Count in hundredths; recognise and write decimal equivalents of tenths, hundredths, ½ ¼ ¾ ' x/÷ by 10 100, round decimals

Measurement: *Convert units of measure, perimeter and area of rectilinear shapes. *Read, write, convert time between analogue and 12- &24-hour digital.

Shape and Geometry: *Compare, classify geometric shapes: quadrilaterals and triangles; acute and obtuse angles, compare and order angles; identify lines of symmetry, complete symmetrical figures *Describe positions on 2D grid as coordinates in the first quadrant, complete translations.

Statistics: Interpret/present discrete/continuous data - bar charts and time graphs; solve comparison, sum and difference problems

RE

*What does it mean to be a Hindu in Britain today?
*What is the 'Trinity'; why is it important for Christians?
*What do Hindus believe God is like?
*For Christians, what was the impact of Pentecost?
*How festivals/worship show what matters to Muslims?
*How/why do people mark the significant events of life?

Art

*Drawing – abstract – using mirrors to sketch and digital means too (Picasso)
*Painting – techniques – water colour, dots, dashes, blocks and stroke (Kandinsky)
*Sculpture – wire models – 3D models using wire and recycled materials (Hepworth)

DT

*Electrical Systems: Electrical design: electrical circuits and component knowledge.
*Cooking and Nutrition – healthy and varied diet, focus on carbohydrates - tortillas
*Textiles – 2D and 3D products – using different stitches to join to design and make a bookmark and pencil case.

History

*Ancient Greeks: What did the Ancient Greeks do for us? Study of Greek life and achievements and their influence on the Western world.
*Romans: How did Roman occupation impact life in Britain? The Roman Empire and its impact on Britain.
*Anglo-Saxons and Scots: What happened to Britain when the Romans left? Britain's settlement by Anglo-Saxons.

Geography

*Volcanoes: Where and what are volcanoes? Human and physical geography
*Italy vs UK: Where would you prefer to live? Fieldwork, place knowledge
*Plastic Planet: Can we analyse the impact we have on our local environment?

Computing

*Computing Systems & Networks – The internet
*Creating media – Audio editing
*Programming – Repetition in shapes; repetition in games
* Data and Information – Data logging
*Creating Media – Photo editing

MFL

Body parts, zoo animals, verbs, family members, pets, hobbies, transport, numbers (13-30), weather, clothing in Spanish.

Music

Festivals: Christmas and Summer; World Music Share - Bhangra
*Mozart vs Beethoven – introduce the Classical era; influential composers
*Can music be used to depict planets? Holst's The Planets Suite
*Can I compose using technology? Garage Band and Chrome Music Lab

PE

Dance, gymnastics, dodgeball (target), basketball (invasion), handball (invasions), athletics and swimming.

PSHE:

Being Me In My World – being a school citizen. **Celebrating Difference** – challenging assumptions. **Dreams and Goals** – overcoming disappointment. **Healthy Me** - group dynamics, smoking, alcohol. **Relationships**– love and loss, boyfriends and girlfriends, jealousy. **Changing Me** – Girls' puberty, accepting change.