Curriculum Overview for Year 4

English

Reading
- Secure decoding of unfamiliar word
- Read for a range of purposes
- Retell some stories orally
- Discuss words & phrases that capture the imagination
- Identify themes & conventions
- Retrieve & record information
- Make inferences & justify predictions
- Recognise a variety of forms of poetry
- Identify & summarise ideas

Writing
- Correctly spell common homophones
- Increase regularity of handwriting
- Plan writing based on familiar forms
- Organise writing into paragraphs
- Use simple organisational devices
- Proof-read for spelling & punctuation errors
- Evaluate own and others' writing
- Read own writing aloud

Grammar
- Use wider range of conjunctions
- Use perfect tense appropriately
- Select pronouns and nouns for clarity
- Use & punctuate direct speech
- Use commas after front adverbials

Speaking & Listening
- Articulate & justify opinions
- Speak audibly in Standard English
- Gain, maintain & monitor interest of listeners

Art & Design

- 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 & designers

Computing

- Design & write programs to achieve specific goals, including solving problems
- Use logical reasoning
- Understand computer networks
- Use internet safely and appropriately
- Collect and present data appropriately

Design & Technology

- Use research& criteria to develop products which are fit for purpose
- Use annotated sketches and prototypes to explain ideas
- Evaluate existing products and improve own work
- Use mechanical systems in own work
- Understand seasonality; prepare & cook mainly savoury dishes

Geography

- Locate world's countries, focussing on Europe & Americas focus on key physical & human features
- Study a region of the UK (not local area)
- Use 8 points of compass, symbols & keys
- Describe & understand climate, rivers, mountains, volcanoes, earthquakes, water cycle, settlements, trade links, etc.
- Use fieldwork to observe, measure & record

Mathematics

Number/Calculation
- Know all tables to 12 x 12
- Secure place value to 1000
- Use negative whole numbers
- Round numbers to nearest 10, 100 or 1000
- Use Roman numerals to 100 (C)
- Column addition & subtraction up to 4 digits
- Multiply & divide mentally
- Use standard short multiplication

Geometry & Measures
- Compare 2-d shapes, including quadrilaterals & triangles
- Find area by counting squares
- Calculate rectangle perimeters
- Estimate & calculate measures
- Identify acute, obtuse & right angles
- Identify symmetry Use first quadrant coordinates
- Introduce simple translations

Data
- Use bar charts, pictograms & line graphs

Fractions, decimals & percentages
- Compare & simplify fractions
- Use equivalents to add fractions
- Multiply simple fractions
- Divide fractions by whole numbers
- Solve problems using decimals & percentages
- Use written division up to 2dp Introduce ratio & proportion

Modern Languages

- Listen & engage
- Ask & answer questions
- Speak in sentences using familiar vocabulary
- Develop appropriate pronunciation
- Show understanding of words & phrases
- Appreciate stories, songs, poems & rhymes
- Broaden vocabulary

Music

- Use voice & instruments with increasing accuracy, control and expression
- Improvise & compose music
- Listen with attention to detail
- Appreciate wide range of live & recorded music
- Begin to develop understanding of history

Science

Biology
- Classify living things
- Digestive system & teeth
- Food chains

Chemistry
- Changes of state
- The water cycle

Physics
- Sound as vibrations
- Electricity: simple circuits & conductors

History

British History
- Stone Age to Iron Age Britain
- Roman Empire & impact on Britain
- Anglo-Saxons & Vikings

Broader History Study
- Ancient Egypt;

Physical Education

- Use running, jumping, catching and throwing in isolation and in combination
- Play competitive games, modified as appropriate
- Develop flexibility & control in gym, dance & athletics
- Compare performances to achieve personal bests
- Swimming proficiency at 25m (KS1 or KS2)

Religious Education

- Continue to follow locally-agreed syllabus for RE