Curriculum Overview for Year 4

English

Reading
- Secure decoding of unfamiliar words
- 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

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

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

Writing
- Correctly spell further homophones (English Appendix 1)
- 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

Mathematics

Fractions & decimals
- Identify & show equivalent fractions
- Recognise hundredths & find effect of dividing 1 or 2 digit nos. By 10,100. Identify answers as ones, tenths, hundredths
- + & - fractions with common denominators
- Recognise common equivalents in fractions & decimals
- Round decimals to whole nos & compare
- Solve money problems involving fractions to 2 decimal places

Data
- Interpret charts, pictograms & line graphs
- Solve problems

Number/Calculation
- Know all tables to 12 x 12
- Secure place value to 1000; order & compare; estimate
- Use negative whole numbers
- Round numbers to nearest 10, 100 or 1000
- Use Roman numerals to 100
- Column addition & subtraction up to 4 digits
- Multiply & divide mentally inc 3 nos
- Recognise & use factor pairs & commutativity in mental calculations
- Use standard short multiplication
- Solve number problems involving all of above

Geometry & Measures
- Compare 2-d shapes, inc quadrilaterals & triangles
- Convert units of measure (km to m; hours to minutes). Between analogue & digital
- Solve problems involving conversions
- Find area by counting squares
- Calculate rectangle perimeters cm & m
- Estimate & calculate measures
- Identify acute, obtuse & right angles
- Use first quadrant coordinates
- Introduce simple translation
- Identify symmetry
- Plot points & draw sides to complete polygons

Science

Biology
- Classify living things using classification keys
- Digestive system & teeth
- Food chains

Chemistry
- Changes of state

Physics
- Sound as vibrations
- Patterns between pitch & object features
- Patterns between volume & strength of vibration
- Electricity: appliance, simple circuits & conductors

History

British History (taught chronologically)
- Anglo-Saxons,, including:
- Roman withdrawal from Britain; Scots invasion
- Invasions, settlements & kingdoms
- Laws & justice
- Christian Conversion - Canterbury, Iona,
- Art & Culture
- Lindisfarne

Vikings
- Viking raids & invasions;
- Danegald
- Edward the Confessor & his death in 1066

Art & Design (LKS2)

- Use sketchbooks to collect, record & evaluate ideas
- Improve mastery of techniques such as drawing, painting & sculpture with varied materials
- Learn about great artists, architects & designers

Computing (LKS2)

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

Design & Technology (LKS2)

- Use research & criteria to develop products which are fit for purpose
- Use annotated sketches & prototypes to explain ideas
- Evaluate existing products & improve own work
- Select wide range of tools
- Use mechanical systems in own work
- Apply strengthening, stiffening, reinforcing techniques to complex structures
- Understand & apply principles of a healthy & varied diet
- Cook savoury dishes for a healthy & varied diet

Geography (LKS2)

- Locate world's countries, focusing 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 settlements & trade links
- Use fieldwork to observe, measure & record

Modern Languages (LKS2)

- 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 (LKS2)

- Use voice & instruments with increasing accuracy, control & expression
- Improvise & compose music
- Listen with attention to detail & recall sounds with increasing aural memory
- Appreciate wide range of live & recorded music from different traditions, composers, musicians
- Begin to develop understanding of history

Physical Education (LKS2)

- Use running, jumping, catching & throwing in isolation & in combination
- Play competitive games, modified as appropriate
- Develop flexibility & control in gym, dance & athletics
- Compare performances to achieve personal bests
- Take part in Outdoor & Adventurous activities

Religious Education

- Who was Buddha & why is he important to Buddhists?
- How did Jesus change lives?
- What role does religion play in our local area?
- What do signs & symbols mean?