Curriculum Overview for Year 4

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

•Know all tables to 12 x 12

•Secure place value to 1000

Use negative whole numbers

•Round numbers to nearest 10, 100

Use Roman numerals to 100 (C)

Multiply & divide mentally

Column addition & subtraction up

Use standard short multiplication

Number/Calculation

or 1000

to 4 digits

Science

•Food chains

 Changes of state •The water cycle

Chemistry

Physics

Classify living things

Digestive system & teet

Biology

English

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

Mathematics

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

- Recognise tenths & hundredths
- Identify equivalent fractions
- Add & subtract fractions with common denominators
- Recognise common equivalents
- Round decimals to whole numbers
- Solve money problems,

History

British History (taught chronologically)

- Roman Empire & impact on Britain:
 - Julius Caesar's attempted invasion
- Roman Empire & successful invasion
- British resistance, e.g. Boudicca
- Romanisation of Britain

Broader History Study

- Earliest ancient civilisations, i.e.
 - Ancient Sumer;
- Indus Valley;
- Ancient Egypt; or
- Shang Dynasty of Ancient China

Art & Design (LKS2)

- 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 (LKS2)

- 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 (LKS2)

- 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

- Languages (LKS2)
- Ask & answer questions

Listen & engage

Modern

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

Physical

Education (LKS2)

- 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
- Swimming proficiency at 25m (KS1 or KS2)

Geography (LKS2)

- 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

Music (LKS2)

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

Religious

(Education

Continue to follow locallyagreed syllabus for RE

Created by Michael Tidd 2013

Sound as vibrations

•Electricity: simple circuits & conductors