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

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 collaging with varied materials.
Learn about great artists, cultures & designers.
Study of Indian Art, Hannah Hoch and Quentin Blake.

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.
Units – create an educational game, create digital music and create a class Wiki.

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

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

Data
Use bar charts, Pictograms & line graphs

Design & Technology

Developing, planning and communicating ideas:
Generate ideas, considering the purposes for which they are designing.
Working with tools, equipment, materials and components to make quality products:
Select appropriate tools and techniques for making their product.
Evaluating processes and products:
Evaluate their work both during and at the end of the assignment.
Topics - Christmas stockings, mini greenhouses and seasonal foods

Geography

Ancient Civilizations
Importance of rivers to earliest civilizations – use maps, atlases, globes and digital/computer mapping to locate countries, describe features studied.
Use 8 points of a compass, symbols and key to build knowledge.
How does the river change its course?
Describe and understand the water cycle. To know UK rivers. Use fieldwork to observe measure and record the human and physical features in a river study.

Modern Languages

Spanish
Listen and engage
Engage in conversations, expressing opinions
Speak in simple language & be understood
Develop appropriate pronunciation
Present ideas and information orally
Show understanding in simple reading
Describe people, places & things
Understand basic grammar

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

Science

Biology
Classify living things
Habitats
Food chains

Chemistry
Changes of state
The water cycle

Physics
Sound as vibrations
Electricity: simple circuits & conductors

History

Ancient Civilizations
The achievements of the earliest civilizations – an overview of where and when the first civilizations appeared and a depth study of one of the following:
Ancient Sumer; The Indus Valley; Ancient Egypt; The Shang Dynasty of Ancient China.

Ancient Greeks
A study of Greek life and achievements and their influence on the western world.

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.

Religious Education

1. The Domestic Church - family
2. Baptism/Confirmation - belonging
3. Advent/Christmas - loving
4. Local Church – community
5. Eucharist – giving & receiving
6. Lent/Easter – giving
7. Pentecost – serving
8. Reconciliation – building bridges

RHE – please see attachment

Year 4 RHE Topics

Autumn

- Changing bodies
- Feelings
- Life cycles

Spring

- Online safety
- Drugs, alcohol and tobacco
- First aid

Summer

- How to love others