Curriculum Overview for Year 4 - Spring

English

Reading:
identify and discuss themes, characters and plot – showing an understanding by answering questions
summarise the main points from more than a paragraph and across a chapter (application of this through a range of strategies)
justify opinions by articulating reasoned inferenced responses in various ways including choosing the appropriate evidence from the text to support their points
discuss the impact an author can have on their reader – be able to make comparisons within and across books

Writing:
write effectively for a range of purposes and audiences
enjoy writing across a range of purposes – understanding the task, the purpose, the audience and the form
use dialogue purposefully (convey character and/or move the action on)
understand how to proof-read and have strategies for checking through own writing for accuracy and sense
know how to improve their own writing – purposefully editing

Grammar, punctuation and spelling:
write grammatically accurate sentences using a range of co-ordinating and subordinating conjunctions, adverbials and noun phrases
use a range of cohesive devices showing an awareness of how their writing is organised and related
choose grammar and punctuation features to match the formality of a writing task
show an understanding for using appropriate vocabulary throughout sessions
demonstrate an understanding of how the writer can impact the reader through choice of sentence length, punctuation for effect and position of words in a sentence

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

- Change the composition of an image
- Select different tools, changing images for different uses, evaluating changes

- Recognise that not all images are real
- Use a digital device to collect data automatically
- Explain a data logger collects data points from sensors
- Use collected data to answer questions.

Mathematics

Number & PV
-Find 1000 more or less than a given number.
-Recognise the PV of each digit in a 4-digit number
-Order/compare numbers beyond 1000.
-Round any number to the nearest 10, 100 or 1000.
-Read Roman numerals to 100 (I to C)

Addition & Subtraction
-+ & - numbers with up to 4-digits using a formal method
-Estimate and use inverse operations to check
-Solve addition and subtraction two-step problems

Multiplication and division
-Know tables up to 12 × 12.
-Use PV, known and derived facts to multiply and divide mentally
-multiply two-digit and three-digit numbers by a one-digit number using a formal method
-Use a formal written method for short division with no remainders

Fractions & Decimals
-Recognise and show, common equivalent fractions.
-Count up and down in hundredths
-solve problems involving increasingly harder fractions
-Recognise and write decimal equivalents of any number of tenths or hundredths.
-Recognise and write decimal equivalents to 1/4; 1/2; 3/4.
-Divide a 1-or 2-digit number by 10 and 100
-Round decimals with one decimal place to the nearest whole number.
-compare numbers with the same number of decimal places up to two decimal places
Solve simple measure and money problems

Measures
-Read, write and convert time between analogue & digital. Solve time problems

Geometry
-Compare and classify geometric shapes
-Identify, compare and order angles
-Describe positions on a 2D grid as coordinates in the first quadrant.
-Describe movements between positions as translations of a given unit to the l eft/right and up/down.

Statistics
-interpret & present discrete data using bar charts and continuous data using time graphs.
-solve comparison, sum & difference problems using data

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

- Find out what a volcano is and where they are located using maps and globes.
- Explore what happens when a volcano erupts (using the appropriate vocabulary).
- Explore the features of a volcano including the three types – composite, shield and dome.
- Understand what tectonic plates are and how these can cause natural disasters
- Explore life in volcanic areas
- Compare a volcanic area to a non-volcanic area.

Modern Languages

- Zoo animals
- Verbs and adjectives
- Members of the family.
- Listen & engage to a balance of written and spoken vocabulary
- Ask & answer questions
- Speak in sentences using familiar vocabulary
- Develop appropriate pronunciation
- Show understanding of words & phrases
- Broaden vocabulary

Music

Djembe

- Pupils will embed the key conventions of African Music:

Pulse, rhythm, call and response, ostinato, polyrhythm, movement and the use of mnemonics through performance and improvisation.

- Learn basic western notation.
- Learn to sight read rhythmic notation of varying complexity on their instrument.

Science

States of Matter

- Materials exist in different states which are sometimes changeable

History

- N/A

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

- Observe and understand varied examples of religions and worldviews
- Develop an understanding of questions about truth and meaning and using a variety of expression