Curriculum Summer Overview for Chestnut class - Year 4

English

Use a joined handwriting style.
Understand a range of prefixes and suffixes.
Spell homophones.
Use dictionaries to check spellings
Use the possessive apostrophe in regular plurals.
Punctuate direct speech.
Strategies for learning words: selected words from statutory and personal spelling lists
Discussing writing similar to that which they are planning to write in order to understand and learn from its structure, vocabulary and grammar.
Discuss and record ideas.
Organise writing into simple paragraphs.
Create simple settings, characters and plots in narratives.
In non-narrative material, use simple organisational devices.
Assess own and other's writing and suggest improvements.
Proof read for punctuation and spelling.
Use a wide range of conjunctions.
Choose nouns or pronouns appropriately for clarity and cohesion and to avoid repetition.
Use fronted adverbials.
Use commas after fronted adverbials.

Reading

Apply knowledge of root words, prefixes and suffixes, both to read aloud and to understand the meaning of new words they meet.
Develop positive attitudes to reading and understanding of what they read by:
- increasing familiarity with a range of books, including fairy stories, myths and legends, and retelling some of these orally.
- asking simple questions to improve their understanding of a text.
- beginning to identify how language, structure, and presentation contribute to meaning.
- listening to and discussing a range of fiction, poetry, plays, non-fiction and reference books or textbooks.
- explaining the meaning of words in context.
- recognising some different forms of poetry [for example, free verse, narrative poetry].
- preparing poems and play scripts to read aloud and to perform, showing understanding through intonation, tone, volume and action.
- identifying themes and conventions in a wide range of books.

Mathematics

Recall multiplication and division fact for multiplication tables up to 12 x 12.
Multiply 2 and 3-digit numbers by a single-digit number using formal written layout.
Solve problems involving multiplying and adding.
Solve integer scaling problems and correspondence problems.
Use place value, known and derived facts to multiply and divide mentally including; multiplying by 0 and 1; dividing by 1; multiply together three numbers.
Add numbers with up to 4 -digits using columnar addition.
estimate and use inverse operations to check answers to calculation
Solve simple measure and money problems involving fractions and decimals to 2 decimal places.
Estimate, compare and calculate different measures including money, in pounds and pence.
Solve number and practical problems that involve all of the above and with increasingly large positive numbers.
Convert between different units of measure.
Identify acute and obtuse angles and compare and order angles up to 2 right angles.
Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.

Identify lines of symmetry in 2-D shapes presented in different orientations.
Complete a simple symmetric figure with respect to a specific line of symmetry.
Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
Find the area of rectilinear shapes by counting squares.
Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.
Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.
Recognise and show, using diagrams, families of common equivalent fractions.
Add and subtract fractions with the same denominator.
Recognise and write decimal equivalents of any number of tenths or hundredths.
Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$.
Find the effect of dividing a one or two digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths.
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.

Science

Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.
Explore the requirements of plants for life and growth and how they vary from plant to plant.
Investigate the way in which water is transported within plants.
Explore the part that flowers play in the life cycle of flowering plants.
Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat.
Describe the simple functions of the basic parts of the digestive system in humans.
Identify the different types of teeth in humans and their simple functions.

History

A study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066.
Changes in an aspect of social history.

Art & Design

To create sketch books to record their observations and use them to review and revisit
ideas,
To improve their mastery of art and design techniques, including drawing, painting and
sculpture with a range of materials [for example, pencil, charcoal, paint, clay]
About great artists, architects and designers in history.

Design & Technology

Investigate and analyse a range of existing products.
Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.
Understand how key events and individuals in design and technology have helped shape the world.
Understand and apply the principles of a healthy and varied diet.
Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.
Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.

Modern Languages

Listen attentively to spoken language and show understanding by joining in and responding.
Explore the patterns and sounds of language through songs and rhymes and link the spelling, sound and meaning of words.
Engage in conversations; ask and answer questions; express opinions and respond to those of others; seek clarification and help.
Speak in sentences, using familiar vocabulary, phrases and basic language structures.
Develop accurate pronunciation and intonation so that others understand when they are reading aloud or using familiar words and phrases.

Physical Education

Play competitive games, modified where appropriate, and apply basic principles suitable for attacking and defending.
Use running, jumping, throwing and catching in is isolation and in combination.
Develop flexibility, strength, technique, control and balance.
Compare their performances with previous ones and demonstrate improvement to achieve their personal best.
Swim competently, confidently and proficiently.
Use a range of strokes effectively.

Computing

Use technology safely.
Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.
Use technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.

Geography

Describe and understand key aspects of:
Physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle.
Human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water.
Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.

Music

Play and perform in solo and ensemble contexts, using their voices and playing musical
instruments with increasing accuracy, fluency, control and expression.
Improvise and compose music for a range of purposes using the interrelated dimensions of music.
Listen with attention to detail and recall sounds with increasing aural memory.
Use and understand staff and other musical notations.
Appreciate and understand a wide range of high-quality live and recorded music drawn
from different traditions and from great composers and musicians.
Develop an understanding of the history of music.

Religious Education

Learn how Sikhism was founded and by whom.
Compare Sikhism and Christianity.
Understand what the 5K's are and what they symbolise.