Year 6 Autumn Term Curriculum Overview – Falcons / Eagles

Maths

Number and Place Value

- ✓ Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit
- ✓ Round any whole number to a required degree of accuracy
- ✓ Use negative numbers in context, and calculate intervals across zero
- ✓ Solve number and practical problems that involve all of the above.

Fractions & decimals

- ✓ Use common factors to simplify fractions; use common multiples to express fractions in the same denomination
- ✓ Compare and order fractions, including fractions
- ✓ Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
- ✓ Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, 4 1 × 2 1 = 8 1]
- ✓ Divide proper fractions by whole numbers [for example, 3 1 ÷ 2 = 6 1]
- ✓ Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, 8 3]
- ✓ Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places

Number - Addition, Subtraction, Multiplication, Division

- ✓ Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication
- ✓ Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context
- ✓ Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context
- ✓ Perform mental calculations, including with mixed operations and large numbers
- ✓ Identify common factors, common multiples and prime numbers
- ✓ Use their knowledge of the order of operations to carry out calculations involving the four operations
- ✓ Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
- ✓ Solve problems involving addition, subtraction, multiplication and division
- ✓ Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy

English

Reading

- ✓ Read a broad range of genres
- ✓ Recommend books to others
- ✓ Make comparisons within/across books
- ✓ Support inferences with evidence
- ✓ Summarising key points from texts
- ✓ Identify how language, structure, etc. contribute to meaning
- ✓ Discuss use of language, inc figurative
- ✓ Discuss & explain reading, providing reasoned justifications for views

Spelling / Grammar

- ✓ Use appropriate register/ style
- ✓ Use the passive voice for purpose
- ✓ Use features to convey & clarify meaning
- ✓ Use a full range of punctuation
- ✓ Use language of subject/object
- ✓ Articulate arguments & opinions
- ✓ Use spoken language to speculate, hypothesise & explore
- ✓ Use appropriate register & language
- ✓ Use a dictionary and a thesaurus
- ✓ Distinguish homophones and other words that are often confused
- ✓ Use prefixes/suffixes accurately
- ✓ Spell words from the year 5/6 spelling list correctly

Writing

Poetry - I Am Cat
Non-Fiction Text - Mayan Civilisation (The History Detective)
Narrative - Charlie and The Chocolate Factory

- ✓ Use knowledge of morphology & etymology in spelling
- ✓ Develop legible personal handwriting style
- ✓ Plan writing to suit audience & purpose; use models of writing
- ✓ Develop character & setting in narrative
- ✓ Select grammar & vocabulary for effect
- ✓ Use a wide range of cohesive devices
- ✓ Ensure grammatical consistency
- ✓ Using organisational and presentational devices to structure text and to guide the reader

Computing

- ✓ Design & write programs to solve problems
- ✓ Use sequences, repetition, inputs, variables and outputs in programs
- ✓ Detect & correct errors in programs
- ✓ Understand uses of networks for collaboration & communication
- ✓ Be discerning in evaluating digital content

Science

How We See Things

- ✓ Recognise that light appears to travel in straight lines
- ✓ Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes
- ✓ Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye
- ✓ Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- ✓ Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations
- ✓ Use the idea that light travels in straight lines to explain why shadows have the same shape as the

Modern Foreign Languages

- ✓ Spanish
- ✓ Engage in conversations, listening and expressing opinions
- ✓ Speak in simple language & be understood
- ✓ Develop appropriate pronunciation
- ✓ Present ideas & information orally
- ✓ Show understanding in simple reading
- ✓ Adapt known language to create new ideas
- ✓ Describe people, places & things
  Understand basic grammar, e.g. gender

Physical Education

Netball / Basketball

- ✓ Use running, jumping, catching and throwing in isolation and in combination
- ✓ Play competitive games, applying basic principles
- ✓ Compare performances to achieve personal bests
- ✓ Take part in Outdoor & Adventurous Activities

Gymnastics

- ✓ Develop flexibility & control in gym, dance & athletics
- ✓ Create controlled sequences - independently and as part of a group

History

Mayan Civilisation (AD 900)

- ✓ Sequence events from time using relevant dates and details
- ✓ Research and compare beliefs and characteristics from different periods of time
- ✓ Know key dates, characters and events of Mayan times

Art

Hundertwasser

- ✓ Continue to progressively develop personal techniques including control and use of materials
- ✓ Learn about the greatest artists, architects and designers in history
- ✓ Develop ideas using different or mixed materials
- ✓ Manipulate and experiment with the elements of art
- ✓ Explore the roles and purposes of artists, craftspeople and designers working in different times and cultures

PSHE

Who am I?

- ✓ Explore friendships and relationships
- ✓ Explore differences and similarities
- ✓ Discuss causes and resolutions of conflict.

RE

Beliefs in the world - Creation and Science - Conflicting or Complimentary?

- ✓ Genesis and the beginnings of the universe
- ✓ Explore the scientific account of cosmology and evolution
- ✓ Research Christian scientists