Curriculum Overview for Year 6

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.

Writing:

- 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

Grammar:

- Use appropriate register/ style
- Use the passive voice for purpose
- Use features to convey & clarify meaning
- Use full punctuation
- Use language of subject/object

Speaking & Listening:

- Use questions to build knowledge
- Articulate arguments & opinions
- Use spoken language to speculate, hypothesise & explore
- Use appropriate register & language

PSHE

- Health and wellbeing
- Relationships
- Living in the wider world

Art & Design

- Use sketchbooks to collect, record, review, revisit & evaluate ideas
- Improve mastery of drawing, painting and sculpture techniques with varied materials
- Learn about great artists, architects & designers

Computing

- Design, write & debug programs to achieve specific goals
- Use sequences, repetition, inputs, variables and outputs in programs
- Use logical reasoning
- Understand uses of networks for collaboration & communication
- Be discerning in evaluating digital content
- Use search technologies effectively

Mathematics

Number/Calculation

Secure place value & rounding to 10,000,000, including negatives
All written methods, including long division
Use order of operations (not indices)
Identify factors, multiples & primes
Solve multi-step number problems

Algebra:
Introduce simple use of unknowns

Geometry & Measures
Confidently use a range of measures & conversions
Calculate area of triangles / parallelograms
Use area & volume formulas
Classify shapes by properties
Know and use angle rules
Translate & reflect shapes, using all four quadrants

Data:
Use pie charts
Calculate mean averages

Fractions, decimals & percentages
Compare & simplify fractions
Use equivalents to add fractions
Multiply simple fractions
Divide fractions by whole numbers
Solve problems using decimals & percentages
Use written division up to 2dp
Introduce ratio & Proportion.

Design & Technology

- Use research& criteria to develop products which are fit for purpose and aimed at specific groups
- Use annotated sketches
- Investigate & analyse existing products and improve own work
- Cook savoury dishes for a healthy & varied diet

Apply understanding of computing to program, monitor & control their products

Geography

- Name & locate counties, cities, regions & features of UK
- Understand latitude, longitude, Equator, hemispheres, tropics, polar circles & time zones
- Understand biomes, vegetation belts, land use, economic activity, distribution of resources, volcanoes and earthquakes.
- In-depth study of North America (link to Extreme Earth topic)
- Study a region of Europe - France

Modern Languages

- Listen & engage
- Ask & answer questions
- Speak in sentences using familiar vocabulary
- Develop appropriate pronunciation
- Show understanding of words & phrases
- Appreciate stories, songs, poems & rhymes
- Broaden vocabulary
- Understand basic grammar
- Read and write, showing understanding of words and phrases
- Write phrases from memory

Music

Further develop sense of pulse, rhythm, pitch, mood and structure through a vocal-aural approach

- Use voice & instruments with increasing accuracy, control and expression

Improvise & compose music
Use and understand musical notation
Listen with attention to detail
Appreciate wide range of live & recorded music
Begin to develop understanding of history

Science

Use practical scientific methods, processes and skills

Living things and their habitats:

- Classification, including micro-organisms

Animals including humans:

- Circulatory system
- Health and lifestyles

Evolution and inheritance:

- Fossil record, variation, adaptation leading to evolution

Light:

- How light travels

Electricity:

- Changes in brightness
- Symbols in circuit diagrams

History

Non-European History:

- Mayan civilisations c. AD 900- how this contrasts with British history

An aspect or theme of British history that extends pupil's chronological knowledge beyond 1066:

- World war II including the Battle of Britain

Broader History Study:

- The achievements of the earliest civilisations- an overview of where and when the first civilisations appeared and an in-depth study of Ancient Egypt

Physical Education

Use running, jumping, catching and throwing in isolation and in combination
Play competitive games, applying basic principles of attacking and defending
Develop flexibility, strength, technique & control in, dance & gym and athletics
Compare performances to achieve personal bests
Swimming proficiency at 25m
Perform dances
Take part in outdoor/adventurous activities

Religious Education

Is it better to express your beliefs in arts and architecture or in charity and generosity?
What difference does it make to believe in ahimsa, grace and/or Ummah?
What matters most to Christians and Humanists?
What do religions say to us when life gets hard?