Curriculum overview Year 6

English

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

Writing
- Use knowledge of morphology and etymology in spelling
- Develop a legible, personal handwriting style
- Plan writing to suit audience and purpose; use models of writing
- Develop characters and settings in narrative
- Select grammar and 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 and clarify meaning
- Use full punctuation
- Use language of subject / object

Speaking and Listening
- Use questions to build knowledge
- Articulate arguments and opinions
- Use spoken language to speculate, hypothesis and explore
- Use appropriate register and language

Maths

Number / Calculation
- Secure place value and rounding to 10,000,000, including negatives
- Formal written methods for all four operations
- Order of operations
- Identify factors, multiples and prime numbers

Algebra, ratio and proportion
- Use simple formulae to find unknowns
- Generate and describe sequences
- Use scale factors and relative sizes to find unknowns

Fractions, decimals and percentages
- Compare and simplify fractions
- Use equivalents to add and subtract fractions
- Multiply simple fractions
- Divide fractions by a whole number
- Calculate in all four operations using numbers with up to 2dp
- Calculate percentages

Statistics
- Use pie charts
- Calculate mean averages

Reasoning
- Solve multi-step problems involving all areas of maths

Geometry, measure and position
- Confidently use a range of measures and conversions including time and miles and km
- Calculate area of triangles / parallelograms
- Use area and volume formulas
- Classify shapes by properties
- Know and use angle rules
- Translate and reflect shapes, using all four quadrants
- Name parts of a circle
- Draw and construct shapes

Science

Working scientifically
- Plan and carry out fair scientific enquiries using a range of equipment
- Record results and use them to make comparisons, draw conclusions and make further predictions
- Identify evidence used to support or refute ideas

Biology
- Living things and their habitats
- Animals including humans
- Evolution

Physics
- Light
- Electricity

History

British History
- An extended period study:
  - Changing power of the monarchs
- Significant turning points in British History / Local study:
  - The Industrial Revolution
  - The World Wars

Broader Historical Study
- Non-European society:
  - Mayan Civilisation

Art and Design (UKS2)

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

Computing (UKS2)

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

Design and Technology (UKS2)

- Use research and criteria to develop products which are fit for purpose and aimed at specific groups
- Use annotated sketches, cross section diagrams and computer-aided design
- Analyse and evaluate existing products and improve own work
- Use mechanical and electrical systems in own products, including programming
- Cook savoury dishes for a healthy and varied diet

Geography (UKS2)

- Rivers and Mountains and The Industrial Revolution
  - Name and locate countries, cities and regions of the UK and understand how these have changed over time
  - Study a region of the UK
  - Understand rivers and mountains
  - Understand key aspects of human geography
  - Use 4 and 6-figure grid references on OS maps
  - Use fieldwork to record and explain ideas.

Modern Languages (UKS2)

- French
  - Listen and engage
  - Engage in conversations, expressing opinions
  - Speak in simple language and be understood
  - Develop appropriate pronunciation
  - Present ideas and information orally
  - Show understanding in simple reading
  - Adapt known language to create new ideas

Music (UKS2)

- Perform with control and expression, solo and in ensembles
- Improvise and compose using dimensions of music
- Listen to detail and recall aurally
- Use and understand basics of staff notation
- Develop an understanding of the history of music, including great musicians and composers
- End of year production

Physical Education (UKS2)

- Use running, jumping, catching and throwing in isolation and in combination
- Play competitive games, applying basic principles
- Develop flexibility and control in gym, dance and athletics
- Take part in Outdoor and Adventurous activities
- Compare performances to achieve personal bests
- Swimming proficiency at 25m (Autumn term)

Religious Education

- Worship and community
- Religious buildings
- Hanukkah
- Sacred Texts
  - Qur'an (Islam)
  - Torah Scrolls (Judaism)