Curriculum Overview for Year 6

English

Reading
- Apply knowledge of root words, prefixes & suffixes
- Read books that are structured in different ways
- Evaluate texts
- Recognise similar features in different texts
- Read accurately and understand
- Identify main themes
- Read fluently using punctuation
- Retrieve & present information from non-fiction texts.
- Prepare & perform plays

Writing
- Convert verbs into nouns.
- Distinguish between homophones
- Choose handwriting style to fit purpose
- Identify audience for purpose
- Use grammatical structures and features
- Use a range of sentence starters to create specific effects
- Use passive voice
- Use commas to mark phrases and clauses
- Use character, dialogue and action to advance events
- Summarise a text

Grammar
- Vary sentence structure
- Use a variety of organisational and presentational devices
- Write in paragraphs
- Use semi-colon, colon and dash
- Use hyphen to avoid ambiguity
- **Speaking & Listening**
- Talk confidently & fluently
- Explain ideas giving reasons for opinion
- Consider & evaluate different viewpoints
- Contribute towards discussion

Art & Design

- Explanation for different tools to create art
- Explain chosen specific techniques to create art
- Explain style and influences on own art
- Over print to create different patterns

Computing

- Explain how an algorithm works
- Explore what if questions by planning different scenarios for controlled devices
- Select, use and combine software on a range of digital devices
- Discuss the risks of online use of technology
- Identify how to minimise risks

Mathematics

Number/Calculation
- Round any square number to a required degree of accuracy
- Use negative whole numbers in context
- Use common factors to simplify fractions
- Use standard written methods for all four operations
- Solve problems including the calculations of fractions
- Perform mental calculations
- Multiply & divide numbers up to 4-digits by 2-digits
- Add and subtract fractions of different denominations

Geometry & Measures
- Convert between different units
- Calculate perimeter of composite shapes & area of rectangles
- Calculate volume & capacity
- Describe 3-d shapes
- Measure & identify unknown angles
- Use formula for working out area of circles
- Reflect & translate shapes

Algebra
- Express missing numbers algebraically
- Use simple formulae

Fractions
- Compare & order fractions including >1
- Add & subtract fractions with common denominators, with mixed numbers
- Multiply simple pairs of proper fractions
- Divide proper fractions
- Multiply and divide up to 3 decimal places

Design & Technology

- Use market research to inform plans and ideas
- Follow and refine plans
- Justify plans in a convincing way
- Consider culture and society in plans and designs
- Test and evaluate products
- Explain how products should be stored and give reasons
- Work with a budget
- Evaluate a product against clear criteria

Geography

- Use Ordnance Survey symbols and 6 figure grid references.
- Answer questions by using a map
- Use maps, aerial photographs, plans and e-resources to describe what a locality might be like
- Describe how some places are similar and different in relation to their human and physical features
- Name the largest desert in the world and locate desert regions in an atlas

Modern Languages Y5/6

- Listen & engage
- Engage in conversations, 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.

Music Y5/6

- Sing in harmony confidently and accurately
- Perform parts from memory
- Take a lead in a performance
- Use a variety of different musical devices in composition

Science

Biology
- Describe how the earth and living things have changed over time
- Explain how fossils can be used to find out about the past

Chemistry
- Classify materials according to a variety of properties
- Understand mixtures & solutions
- Know about reversible changes; identify irreversible

Physics
- Explain how light travels
- Explain how the number & voltage of cells in a circuit links to the brightness of a lamp or volume of a buzzer

History

- Place features of historical events and people from the past societies and periods in a chronological order.
- Summarise the main events from a period of history, explaining the order of events and what happened
- Summarise how Britain has had a major influence on the world
- Summarise how Britain may have learnt from other countries and civilizations
- Identify and explain differences, similarities and changes between different periods of history
- Identify and explain propaganda
- Describe a key event from Britain's past using a range of evidence from different sources

Physical Education

- Play agreed rules
- Umpire
- Make a team and communicate
- Combine own work with that of others
- Develop sequences in specific style
- Demonstrate stamina
- Plan a route and a series of clues for someone else

Religious Education

- Describe the key aspects of religions and study the variety of practices, beliefs and teachings
  - Identify and begin to describe the similarities and differences within and between religions
  - Reflect upon and ask searching questions.
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- investigate the significance of religion in the local, national and global communities
- Use and interpret information about religions from a range of sources.