Curriculum Overview for Year 5

English

Reading
- Apply knowledge of morphology and etymology when reading new words
- Read and discuss a broad range of genres and texts
- Identify and discuss themes by summarising the main ideas
- Make recommendations to others
- Learn poetry by heart
- Draw inference and make predications
- Discuss authors' use of language
- Retrieve and present information from non-fiction texts
- Formal presentations and debates about books read
- Read with increasing fluency

Writing
- Secure spelling, including homophones, prefixes, silent letters etc
- Use a thesaurus
- Legible, fluent handwriting
- Plan writing to suit audience and purpose
- Develop character, setting and atmosphere in narrative
- Use organisational and presentational features
- Use consistent appropriate tense
- Proof read work
- Perform own compositions

Grammar
- Use expanded noun phrases
- Use modal and passive verbs
- Use relative clauses
- Use commas for clauses
- Use brackets, dashes and commas for parenthesis

Speaking & Listening
- Give well structured explanations
- Command of standard English
  - Consider and evaluate different viewpoints
  - Use appropriate register

Art & Design

- 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 & designers

Computing

- Describe and write programmes to solve problems – spreadsheets/graphs
- Use of powerpoint
- Use of publisher
- Use of spreadsheets to order, sort, filter and analyse information
- Use coding to create sequences, variable inputs and outputs
- Internet safety

Design & Technology

- 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

- Name and locate countries using maps
- Study a region of Europe and the Americas
- Locate some key physical and human features using maps
- To name, locate and describe some of the world's vegetation belts, land use, economic activity and distribution of resources
- Understand some of the impacts and causes of environmental change

Mathematics

Number/calculation
- Secure place value to 1,000,00
- Use negative whole numbers in context
- Use Roman numerals to 1000 (M)
- Use standard written methods for all four operations
- Confidently add and subtract mentally
- Use vocabulary of prime, factor and multiple
- Multiply and divide by powers of ten
- Use square and cube numbers

Geometry and Measures
- Convert between different units
- Calculate perimeter of composite shapes an area of rectangles
- Estimate volume and capacity
- Identify 3d shapes
- Measure and identify angles
- Understand regular polygons
- Reflect and translate shapes

Data
- Interpret tables and line graphs
- Solve questions about line graphs

Fractions and decimals
- Compare and order fractions
- Add and subtract fractions with common denominators, with mixed numbers
- Multiply fractions by units
- Write decimals as fractions
- Order and round decimal numbers
- Link percentages to fractions and decimals

Modern Languages

Spanish
- Listen and engage
- Engage in conversation, 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
- Describe people, place and things
- Understand basic grammar eg gender

Music

- Improvise and compose using dimensions of music
- Listen to detail and recall aurally
- Use and understand basic of staff notation
- Develop an understanding of the history of music, including great musicians and composers

Science

Biology
- Life cycles of plants and animals (including mammal, insect, bird, amphibian)
- Describe changes as humans develop and mature

Chemistry
- Classify materials according to a variety of properties
- Understand mixtures and solutions

Physics
- Understand location and interaction of sun, earth and moon
- Introduce gravity, resistance and mechanical forces

History

British History
An extended period study eg:
- The changing power of the monarchs
- Significant turning points in British History
- Crime and punishment

Broader History Study
- Non-European society eg: Mayan Civilisation (before Aztecs)

Focus: Ancient Egypt; Medieval; Tudors

Physical Education

- 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

Religious Education

Continue to follow locally agreed syllabus for RE:

Learning about and from religion:

Believing

Belonging

Behaving