# Curriculum Overview for Year 5

## English

**Reading**
- Apply knowledge of decoding strategies when reading new words
- Reading & discuss a broad range of genres & texts
- Identify & discuss main themes
- Make recommendations
- Learn poetry by heart
- Draw inference & make predictions
- Discuss authors' use of language
- Retrieve & present information from non-fiction texts.
- Formal presentations & debates

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

**Grammar**
- Use expanded noun phrases
- Use modal & passive verbs
- Use relative clauses
- Use commas for clauses
- Use brackets, dashes & commas for parenthesis
- **Speaking & Listening**
- Give well-structured explanations
- Command of Standard English
- Consider & evaluate different viewpoints
- Use appropriate register

## Art & Design Y5/6

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

## Computing Y5/6

- 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

## Mathematics

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

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

**Data**
- Interpret tables & line graphs
- Solve questions about line graphs

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

## Design & Technology Y5/6

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

## Geography Y5/6

- Name & locate counties, cities, regions & features of UK
- Understand latitude, longitude, Equator, hemispheres, tropics, polar circles & time zones
- Study a region of Europe, and of the Americas
- Understand biomes, vegetation belts, land use, economic activity, distribution of resources, etc.
- Use 4- and 6-figure grid references on OS maps
- Use fieldwork to record & explain areas

## 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

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

## Science

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

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

**Physics**
- Understand location and interaction of Sun, Earth & Moon
- Introduce gravity, resistance & mechanical forces

## History

- Develop a chronologically secure knowledge and understanding of British, local and world history
- Understand how our knowledge of the past is constructed from a range of sources
- note connections, contrasts and trends over time and develop the appropriate use of historical terms
- Discuss historically valid questions about change, cause, similarity and difference and significance
- Construct informed responses that involve thoughtful selection of relevant historical information.

## Physical Education Y5/6

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

## 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.
- investigate the significance of religion in the local, national and global communities
- Use and interpret information about religions from a range of sources.