### **Curriculum Overview for Year 5**

#### Reading

- •Apply knowledge of morphology & •Secure spelling, inc. homophones, etymology when reading new words
- Reading & discuss a broad range of ●Legible, fluent handwriting genres & texts
- Identifying & discussing themes
- •Learn poetry by heart

Number/Calculation

1,000,000

context

mentally

Science

Life cycles of plants

Biology

•Secure place value to

all four operations

Confidently add & subtract

- Draw inference & make predictions ●Use organisational & presentational ●Command of Standard English
- •Discuss authors' use of language
- •Retrieve & present information from non-fiction texts.
- •Formal presentations & debates

•Use negative whole numbers in

•Use Roman numerals to 1000 (M)

•Use standard written methods for

Use vocabulary of prime, factor &

•Multiply & divide by powers of ten

•Use square and cube numbers

# **English**

#### Writing

- prefixes, silent letters, etc.
- Use a thesaurus
- Plan writing to suit audience & purpose
- •Make recommendations to others •Develop character, setting and atmosphere in narrative
  - features
  - •Use consistent appropriate tense
  - Proof-reading
  - 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
- Consider & evaluate
  - different viewpoints Use appropriate register

## **Mathematics**

#### **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
- •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

# Languages (UKS2)

Listen & engage

Modern

& evaluate ideas

Engage in conversations, expressing opinions

Art & Design (UKS2)

• Use sketchbooks to collect, record, review, revisit

• Improve mastery of techniques such as drawing.

painting and sculpture with varied materials

• Learn about great artists, architects & designers

Design & Technology (UKS2)

Use annotated sketches, cross-section

diagrams & computer-aided design

Analyse & evaluate existing

• Cook savoury dishes for a healthy & varied diet

• Use research& criteria to develop products which

are fit for purpose and aimed at specific groups

products and improve own work

• Use mechanical & electrical systems in

own products, including programming

- 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. gender

# Physical

# Education (UKS2)

- 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
- Swimming proficiency at 25m (KS1 or KS2)

## Computing (UKS2)

- 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

# Geography (UKS2)

- 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

## Music (UKS2)

- 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

# Religious

# Education

Continue to follow locallyagreed syllabus for RE

# History

## **British History (taught chronologically)**

- Anglo-Saxons & Vikings, including:
  - Roman withdrawal from Britain; Scots invasion
  - Invasions, settlements & kingdoms
  - Viking invasions; Danegald
    - Edward the Confessor

# **Broader History Study**

- Ancient Greece, i.e.
- A study of Greek life and achievements and their influence on the western world

Chemistry

•Classify materials according to a variety of properties

& animals (inc. mammal, insect, bird, amphibian)

•Describe changes as humans develop & mature

- •Understand mixtures & solutions
- •Know about reversible changes; identify irreversible

### **Physics**

- •Understand location and interaction of Sun, Earth &
- •Introduce gravity, resistance & mechanical forces