### Curriculum Overview for Year 6

#### Reading

- · Read a broad range of genres
- · Recommend books to others
- Make comparisons within/across books
- · Support inferences with evidence
- Summarising key points from texts purpose; use models of writing
- Identify how language, structure, etc. contribute to meaning
- · Discuss use of language, inc. figurative

Number/Calculation

negatives

division

indices)

Algebra

Science

Classification,

**Biology** 

Secure place value &

 Discuss & explain reading, providing reasoned justifications for views

rounding to 10,000,000, including

• All written methods, including long

Solve multi-step number problems

Introduce simple use of unknowns

· Use order of operations (not

# **English**

## Writing •Use knowledge of morphology & etymology in spelling

- Develop legible personal handwriting style
- Plan writing to suit audience &
- Develop character & setting in narrative
- · Select grammar & vocabulary for effect
- •Use a wide range of cohesive
- Ensure grammatical consistency

#### Grammar

- •Use appropriate register/style
- •Use the passive voice for purpose
- Use features to convey & clarify meaning
- Use full punctuation
- Use language of subject/object Speaking & Listening
- Use questions to build knowledge
- Articulate arguments & opinions Use spoken language to speculate,
  - ypothesise & explore Use appropriate register & language

## Art & Design (UKS2)

- 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 (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
- · Be discerning in evaluating digital content

## Mathematics

### Geometry & Measures

- . Confidently use a range of measures & conversions
- Calculate area of triangles / parallelograms
- Use area & volume formulas
- · Classify shapes by properties
- . Know and use angle rules
- •Identify factors, multiples & primes •Translate & reflect shapes, using all four quadrants

Data

- Use pie charts
- Calculate mean averages

## Fractions, decimals & percentages

- . Compare & simplify fractions
- · Use equivalents to add fractions
- Multiply simple fractions
- · Divide fractions by whole numbers
- Solve problems using decimals & percentages
- •Use written division up to 2dp
- Introduce ratio & proportion

## Design & Technology (UKS2)

- 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 ow products, including programming
- · Cook savoury dishes for a healthy & varied diet

# 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

## Modern

# Languages (UKS2) Music (UKS2)

- 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. gender

- 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

# 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 &
- · Take part in Outdoor & Adventurous activities
- Compare performances to achieve personal bests

# Religious

## Education

Continue to follow locallyagreed syllabus for RE

### **Physics**

· Light & Shadows; the eye

Evolution & Adaptation

- Forces, including gravity
- · Electricity: investigating circuits

including micro-organisms

• Health & Lifestyles, incl. circulatory system

# History

Develop a secure knowledge and understanding of British, local and world history e.g.

- Stone Age to Iron Age; The Roman Empire and its impact on Britain; Analo-Saxons and Scots; Vikings;
- A post-1066 study of an aspect or theme in British
  - A local history study
- The achievements of the earliest civilisation e.a Ancient Eaypt
- Ancient Greece
- A non-European society e.g. Mayan civilisation