## **Curriculum Overview for Year 5**

#### Reading

- Apply knowledge of morphology & etymology when reading new words
- Read & discuss a broad range of genres & texts
- Identifying & discussing themes
- Make recommendations to others
- Learn poetry by heart

**Number/Calculation** 

context

mentally

& multiple

- Draw inference & make predictions
- Discuss authors' use of language
- Retrieve & present information from non-fiction texts.
- Formal presentations & debates

Secure place value to 1,00

Use negative whole numbers in

Use Roman numerals to 1000 -M

Use standard written methods

Use vocabulary of prime, factor

Multiply & divide by powers of

Confidently add & subtract

for all four operations

## **English**

#### 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
- Use consistent appropriate tense
- Proof-read work
- Perform own compositions

#### Grammar

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

#### 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

# History

Children will be taught the history of the British Isles chronologically and will learn how Britain has influenced and been influenced by the wider world. **British History** 

They will:

Study the impact of the introduction of free schooling for all children during the reign of Queen

Learn who built Kings College and study how the Tudor monarchs influenced the development university and Cambridge.

#### **World History**

Study Ancient Greek life and achievements and their influence on the western world.

### **Art & Design**

Children will develop control and use of materials with creativity and to increase their awareness of different kinds of art, craft and design by:

- Using sketchbooks to collect, record and evaluate their ideas
- Improving mastery of techniques such as drawing, painting and sculpture with varied materials
- Learning about great artists, architects and designers, craftsmen and designers.

### **Design & Technology**

Through creative and practical activities, children

- 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.

Modern Languages
Children will deepen their understanding of Spanish by:

- Listening & engaging
- Engaging in conversations, expressing opinion
- Speaking in simple language & being understood
- Developing appropriate pronunciation
- Presenting ideas & information orally
- Showing understanding in simple reading
- Adapting known language to create new ideas
- Describing people, places & things
- Understanding basic grammar, e.g. gender

## Education

Children will continue apply and develop a broad range of skill in different ways to in prove their performance. Using the Cambridgeshire scheme of work they will:

- Use running, jumping, catching and throwing in isolation and in combination
- Play competitive games, applying basic principles
- Develop flexibility & control in gym, dance &
- Compare performances to achieve personal bests
- Take part in outdoor and adventurous activities.

### Computing

Children are taught to be responsible, competent, confident and creative users of information and communication technology. They will:

- 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

Children will extend their knowledge and understanding to include the UK, Euro e, North and South America by:

- Naming & locating counties, cities, regions & features of UK
- Understanding latitude, longitude, Equator, hemispheres, tropics, polar circles & time zones
- Studying a region of Europe, and of the Americas
- Understanding biomes, vegetation belts, land use, economic activity, distribution of resources, etc.
- Using4- and 6-figure grid references on OS maps
- Using fieldwork to record & explain areas

### Music

Children will recognise their talent as musicians, increase their confidence, creativity and sense of achievement by:

- Performing with control & expression solo & in ensembles
  - Improvising & composing using dimensions
- Listening to detail and recalling aurally
- Using & understanding the basics of staff notation
- Developing an understanding of the history of music, including composers & musicians.

Children will follow the ambridgeshire agreed syllabus for Religious Education and scheme of work for PSHCE. They will cover topics which include:

- What stories and Hindu deities tell us about Hindu beliefs
- The Christian church in Vellore, India
- The life and ministry of Jesus
- Personal safety and drugs education. Conflict resolution
- Anti-bullying
- The importance of diversity in communities.

# Use square and cube numbers Science

Working scientifically using practical methods, processes and skills, children will:

### **Biology**

- Study the life cycles of plants & animals (inc. 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 the location and interaction of Sun, Earth & Moon
- Understand gravity, resistance & mechanical forces