

# Curriculum Overview for Year 4

## Mathematics

### Number/Calculation

- ☑ Know all tables to 12 x 12
- ☑ Secure place value to 1000
- ☑ Use negative whole numbers
- ☑ Round numbers to nearest 10, 100 or 1000
- ☑ Use Roman numerals to 100 (C)
- ☑ Column addition & subtraction up to 1000
- ☑ Multiply & divide mentally
- ☑ Use standard short multiplication

### Geometry & Measures

- ☑ Compare 2-d shapes, including quadrilaterals & triangles
- ☑ Find area by counting squares
- ☑ Calculate rectangle perimeters

### Geometry & Measures (cont.)

- ☑ Estimate & calculate measures
- ☑ Identify acute, obtuse & right angles
- ☑ Identify symmetry
- ☑ Use first quadrant coordinates
- ☑ Introduce simple translations

### Fractions & decimals

- ☑ Recognise tenths & hundredths
- ☑ Identify equivalent fractions
- ☑ Add & subtract fractions with common denominators
- ☑ Recognise common equivalents
- ☑ Round decimals to whole numbers
- ☑ Solve money problems

### Data

- ☑ Use bar charts, pictograms & line graphs

## English

### Reading

- ☑ Secure decoding of unfamiliar words
- ☑ Read for a range of purposes
- ☑ Retell some stories orally
- ☑ Discuss words & phrases that capture the imagination
- ☑ Identify themes & conventions
- ☑ Retrieve & record information
- ☑ Make inferences & justify predictions
- ☑ Recognise a variety of forms of poetry
- ☑ Identify & summarise ideas

### Speaking & Listening

- ☑ Articulate & justify opinions
- ☑ Speak audibly in Standard English
- ☑ Gain, maintain & monitor interest of listeners

### Writing

- ☑ Correctly spell common homophones
- ☑ Increase regularity of handwriting
- ☑ Plan writing based on familiar forms
- ☑ Organise writing into paragraphs
- ☑ Use simple organisational devices
- ☑ Proof-read for spelling & punctuation errors
- ☑ Evaluate own and others' writing
- ☑ Read own writing aloud

### Grammar

- ☑ Use a wider range of conjunctions
- ☑ Use perfect tense appropriately
- ☑ Select pronouns and nouns for clarity
- ☑ Use & punctuate direct speech
- ☑ Use commas after fronted adverbials

## Science

### Biology

- ☑ Living things and their habitats
- ☑ Digestion & Teeth

### Chemistry

- ☑ States of Matter and the Water Cycle

### Physics

- ☑ Sound and Vibration
- ☑ Electricity: simple circuits & conductors

## Geography (LKS2)

- ☑ Locate the world's countries, exploring longitude & latitude, equator, hemisphere and tropics
- ☑ **LC: What is life like in India?**
- ☑ Use 8 points of the compass, symbols & keys
- ☑ Describe & understand climate, rivers, mountains, water cycle, settlements & trade links
- ☑ **LC: Why is Brazil in the news again?**
- ☑ Use fieldwork to observe, measure & record

## History

### LC: Who Lived in Britain First?

- ☑ Stone Age to Iron Age Britain, including:
  - hunter-gatherers and early farmers
  - Bronze age religion, technology & travel
  - Iron age hill forts

### LC: How can we re-discover the wonders of Ancient Egypt?

- ☑ Earliest ancient civilisations,
- Tudors; Henry VIII and the changes he made** ☑
- ☑ An in depth study linked to a studied period
  - A study over a period of time
  - A post-1066 study of a relevant period about a theme – changes in crime and punishment

## Religious Education

- ☑ What does worship mean?
- ☑ How is Christmas celebrated in other countries?
- ☑ What do we mean by commitment?
- ☑ What stories did Jesus tell?
- ☑ What is pilgrimage?
- ☑ LC: Why do Hindus & Sikhs celebrate Diwali

## PSHCE

- ☑ New Beginnings
- ☑ Feelings and Emotions: Anger and Loss
- ☑ Staying Safe: e-safety
- ☑ Healthy Choices: Medicines and Drugs
- ☑ Homes and Families
- ☑ Friendships: Maintaining Relationships

## SMSC

## Modern Languages (LKS2)

- ☑ Listen & engage
- ☑ Ask & answer questions
- ☑ Speak in sentences using familiar vocabulary
- ☑ Develop appropriate pronunciation
- ☑ Show understanding of words & phrases
- ☑ Appreciate stories, songs, poems & rhymes
- ☑ Broaden vocabulary
- ☑ Describe people and their clothes

## Art & Design (LKS2)

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

## Design & Technology (LKS2)

- ☑ Use research & criteria to develop products which are fit for purpose
- ☑ Use annotated sketches and prototypes to explain ideas
- ☑ Evaluate existing products and improve own work
- ☑ Use mechanical systems in own work
- ☑ Understand seasonality; prepare & cook mainly savoury dishes

## Music (LKS2)

- ☑ Use voice & instruments with increasing accuracy, control and expression
- ☑ Improvise & compose music
- ☑ Listen with attention to detail
- ☑ Appreciate wide range of live & recorded music
- ☑ Begin to develop understanding of history

## Physical Education (LKS2)

- ☑ Use running, jumping, catching and throwing in isolation and in combination
- ☑ Play competitive games, modified as appropriate
- ☑ Develop flexibility & control in gym, dance & athletics
- ☑ Compare performances to achieve personal bests
- ☑ *Swimming proficiency*

## Computing (LKS2)

- ☑ Design & write programs to achieve specific goals, including solving problems
- ☑ Use logical reasoning
- ☑ Understand computer networks
- ☑ Use internet safely and appropriately
- ☑ Collect and present data appropriately