



Curriculum Overview for Year 3

Mathematics

Number/Calculation

- Learn 3, 4 & 8x tables
- Secure place value to 100
- Mentally add & subtract units, tens or hundreds to numbers of up to 3 digits
- Written column addition & subtraction
- Solve number problems, including multiplication & simple division and missing number problems
- Use commutativity to help calculations

Geometry & Measures

- Measure & calculate with metric measures
- Measure simple perimeter
- Add/subtract using money in context
- Use Roman numerals up to XII; tell time
- Calculate using simple time problems
- Draw 2-d / Make 3-d shapes
- Identify and use right angles
- Identify horizontal, vertical, perpendicular and parallel lines

Fractions & decimals

- Use & count in tenths
- Recognise, find & write fractions
- Recognise some equivalent fractions
- Add/subtract fractions up to <1
- Order fractions with common denominator

Data

- Interpret bar charts & pictograms

Computing

Computer Science

- Design & write programs to achieve specific goals, including solving problems
- Use logical reasoning

Digital Literacy

- Understand computer networks
- Use internet safely and appropriately
- Collect and present data appropriately

Herts for Learning Scheme units:
Bringing Images to Life, Developing Communication, Keeping Informed

English

Reading

- Use knowledge to read 'exception' words
- Read range of fiction & non-fiction
- Use dictionaries to check meaning
- Prepare poems & plays to perform
- Check own understanding of reading
- Draw inferences & make predictions
- Retrieve & record information from non-fiction books
- Discuss reading with others

Writing

- Use prefixes & suffixes in spelling
- Use dictionary to confirm spellings
- Write simple dictated sentences
- Use handwriting joins
- Plan to write based on familiar forms
- Rehearse sentences orally for writing
- Use varied rich vocabulary
- Create simple settings & plot
- Assess effectiveness of own and others' writing

Religious Education



PSHE and Citizenship

- to recognise and respond appropriately to a wider range of feelings in others
- to differentiate between the terms, 'risk', 'danger' and 'hazard'
- to understand that everyone has human rights, all peoples and all societies and that children have their own special rights



Geography

- Locational Knowledge:** equator, latitude, longitude and the hemispheres
- Place Knowledge:** a variety of countries chosen by the class teacher
- Human and Physical Geography:** Human geography: technology, economic activity and land use, trade links, 'food miles', and the environmental impact of transporting and packaging on the food that we eat. In physical geography: the formation of mountains, volcanoes, avalanches and landslides.
- Geographical Skills and Fieldwork:** to use maps, atlases and globes. Introduction to four-points of a compass, as well as grid references; to use simple grids and begin to use letter/number co-ordinates to locate features on a map

Music

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

Science

Biology

- Plants, incl. parts, lifecycle, requirements for life and how they vary from plant to plant
- Animals: skeletons & muscles in humans
- Nutrition

Chemistry

- Classification of rock types
- Simple understanding of fossilisation
- Recognise that soils are made from rocks and organic matter

Physics

- Sources of light; shadows & reflections
- Simple forces, including magnetism

History

British History (taught chronologically)

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

Broader History Study

- Earliest ancient civilisations, i.e.
 - Ancient Sumer;
 - Indus Valley;
 - Ancient Egypt; or
 - Shang Dynasty of Ancient China

Physical Education

- 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
- Paralympics Sports
- Outdoor Adventure Activities

Classics

- To learn about Greek & Roman Myths c-c English
- Roman myths and legends
- Compare Roman names and myths with Greek names and myths
- Hermes, messenger of the Gods

Design & Technology

Every Term includes Scientific Investigation

- 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

Modern Foreign Language

- 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

Art & Design

- 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