Curriculum Overview for Year 6

Reading

- Read a broad range of genres
- Recommend books to others
- Make comparisons within/across
- Support inferences with evidence •
- Summarise key points from texts
- Identify how language, structure, etc. contribute to meaning
- Discuss use of language, including. Figurative language
- Discuss and explain reading, providing reasoned justifications for views

Secure place value & rounding to

All written methods, including

Use order of operations (not

Identify factors, multiples &

Solve multi-step number

Introduce simple use of

10,000,000, including negatives

Number/Calculation

long division

indices)

primes

problems

unknowns

English Writing

- Use knowledge of morphology & etymology in spelling
- Develop legible personal handwriting style
- Plan writing to suit audience & purpose; use models of writing
- 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 & clarity meaning
- Use full punctuation
- Use language of subject/object
- Use questions to build knowledge
- Articulate arguments & opinions
- Use spoken language to
- peculate, hypothesise & explore Use app opriate register &

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
- Translate & reflect shapes, using all four quadrants

Data

- Use pie charts
- Calculate mean averages

Fractions

- Add & subtract fractions with common denominators, with
- Order & round decimal
- & decimals

- Compare & order fractions
- mixed numbers
- Multiply fractions by units
- Write decimals as fractions
- numbers
- Link percentages to fractions

History Children will learn how Britain has influenced and been influenced by the wider world.

British History

They will:

- Study the search for 'new worlds' and the lasting pact on life in Britain of the golden age of Tudor exploration including the competition with Portugal and Spain to dominate the trade routes.
- Learn about the significance of World Wal 1 and how warfare and life in Great Britain change forever.

World History

A contrasting study from a non-European society such a Benin in the 10th century.

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

Physical A Education

Children will continue ar ply and develop a broad range of skill in different ways to invorove 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
- <u>Using fieldwork to record & explain areas</u>

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.

R.E. and PSHCE

Children will follow the **Cambridge** shire agreed syllabus for Religious Education and scheme of work for PSHCE.

They will cover topics which include:

- Beliefs and practices of the Buddhist faith
- How key beliefs influence faith We symbolism of bread
- Sex and relationships education
- Conflict resolution
- Anti-bullying
- Rights and responsibilities in communities.

Science

Algebra

Children will be taught to use scientific methods, processes and skills to plan and undertake investigations, report and present findings and use scientific evidence to support or refute their predictions and findings. They will study:

Biology

- Classification, including micro-organisms
- Health & Lifestyles, including the circulatory system
- Evolution and adaptation **Physics**
 - Light and shadows with a focus on the eye
 - Forces, including gravity
 - Electricity and investigating circuits