Curriculum Overview for Year 5

Reading

• Apply knowledge of morphology & • Secure spelling, inc. homophones, • Use expanded noun phrases etymology when reading new words

- Read & discuss a broad range of genres & texts
- · Identify & discuss themes
- · Learn poetry by heart

Number/Calculation

1,000,000

all four operations

context

mentally

Secure place value to

- Draw inference & make predictions Use organisational & presentational Command of Standard English
- · Discuss authors' use of language
- Retrieve & present information from non-fiction texts.

Use negative whole numbers in

• Use Roman numerals to 1000 (M)

Use vocabulary of prime, factor &

· Multiply & divide by powers of ten

Use square and cube numbers

Confidently add & subtract

· Use standard written methods for

Formal presentations & debates

English

Writing

- prefixes, silent letters, etc.
- Use a thesaurus
- Use legible, fluent handwriting
- Plan writing to suit audience & purpose
- Make recommendations to others Develop character, setting and atmosphere in narrative
 - features
 - Use appropriate tense consistently
 - Proof-reading
 - Perform own compositions

Grammar

- Use modal & passive verbs
- Use commas for clauses
- Use relative clauses
- Use brackets, dashes & commas for parenthesis

Speaking & Listening

- Give well-structured explanations
 - Consider & evaluate
 - different viewpoints 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
- 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

Art & Design

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

Computing

- 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

Design & Technology

 Use research & criteria to develop products which are fit for purpose and aimed at specific groups

Use mechanical & electrical systems in

own products, including programming

 Use annotated sketches, cross-section diagrams & computer-aided design

Geography

- Name & locate counties, cities. regions & features of UK
- Understand latitude, longitude, Equator, hemispheres, tropics, polar circles & time zones
- Study a region of Europe (Spain), and of the Americas (Brazil)
- 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

French

· Engage in conversations, expressing opinions

Cook savoury dishes for a healthy & varied diet

- 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

Music

- 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

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

History

British History (taught chronologically)

- · Anglo-Saxons & Vikings, including:
- Invasions, settlements & kingdoms
- Viking invasions; Edward the Confessor

Broader History Study

Ancient Greece - A study of Greek life and achievements and their influence on the western world

Religious

- Creation
- Miracles & the Sacrament of the Sick
- Advent
- Christmas
- Baptism
- Parables & Sayings of Jesus
- Lent
- Holy Week
- Easter Pentecost
- The Work of the Apostles

Science Education

Biology

- · Life cycles of plants & animals (inc. mammal, insect, bird,
- · Describe changes as humans develop & mature

Chemistry

- · Classify materials according to a variety of properties
- Understand mixtures & solutions
- Know about reversible changes; identify irreversible changes
- Understand location and interaction of Sun, Earth & Moon
- · Introduce gravity, resistance & mechanical forces