Curriculum Overview for Year 5

Scheme plus books for the other topics during each term

Reading

2 Apply knowledge of morphology & etymology when reading new words Reading & discuss a broad range of genres & texts

- Identifying & discussing themes
- Make recommendations to others
- Learn poetry by heart

Number/Calculation

all four operations

context

multiple

Science

bird, amphibian)

Biology

Chemistry

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

Secure place value to 1,000,000

Use negative whole numbers in

Use Roman numerals to 1000 (M)

Use standard written methods for

Confidently add & subtract mentally

Use vocabulary of prime, factor &

Multiply & divide by powers of ten

Use square and cube numbers

English

Writing

Secure spelling, inc. homophones, prefixes, silent letters, etc.

- Use a thesaurus
- Legible, fluent handwriting
- Plan writing to suit audience &
- Develop character, setting and atmosphere in narrative
- Use organisational & presentational features

Mathematics

Convert between different units

Calculate perimeter of composite

- Use consistent appropriate tense Proof-reading
- Perform own compositions

Geometry & Measures

Identify 3-d shapes

shapes & area of rectangles

Measure & identify angles

Reflect & translate shapes

Understand regular polygons

Interpret tables & line graphs

Solve questions about line graphs

Estimate volume & capacity

Grammar

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

Speaking & Listening

Fractions

numbers

decimals

- ② Give well-structured explanations
- Command of Standard English
- Consider & evaluate different viewpoints

② Compare & order fractions

Multiply fractions by units

Write decimals as fractions

Add & subtract fractions with

common denominators, with mixed

Order & round decimal numbers

Link percentages to fractions &

Use appropriate register

Art & Design

Use sketchbooks to collect, record, review, revisit & evaluate ideas

Improve mastery of 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 annotated sketches, cross-section diagrams & computer-aided design

Analyse & evaluate existing products and in prove own

use mechanical & electrical systems in own products, neluding programming

Oook savoury dishes for a healthy & varied diet

Geography

Name & locate counties, cities, egions & features of UK Understand latitude, longitude, Equator, hemispheres, tropics, polar circles & time zones

Perform with control & expression solo & in ensembles

Improvise & compose using dimensions of music

Bevelop in understanding of the history of music,

Use & understand basics of staff notation

including great musicians & composers

Listen to detail and recall aurally

- 2 Study a region of Europe, and of the Americas Understand biomes, vegetation belts, land use,
- economic activity, distribution of resources, etc.
- ② Use 4- and 6-figure grid references on OS maps Use fieldwork to record & explain areas

Music

Modern

Languages

② Listen & engage

and in combination

- Engage in conversations, expressing opinions
- Speak in simple language & be understood
- Develop appropriate pronunciation
- Present ideas & information orally
- Show understanding in simple reading
- ② Adapt known language to create new ideas

Use running, jumping, catching and throwing in isolation

Play competitive games, applying basic principles Develop flexibility & control in gym, dance & athletics

Compare performances to achieve personal bests

Take part in Outdoor & Adventurous activities

Swimming proficiency at 25m (KS1 or KS2)

- Describe people, places & things
- 🛚 Understand basic grammar, e.g. gender

Education

Religious Education

• Come and see Religious Scheme from the Cardiff Archdiocese.

Physical ₂

Classify materials according to a variety of properties Understand mixtures & solutions

Life cycles of plants & animals (inc. mammal, insect,

Describe changes as humans develop & mature

Know about reversible changes; identify irreversible

Physics

Understand location and interaction of Sun, Earth & Moon

Introduce gravity, resistance & mechanical forces

History

British History (taught chronologically)

- Anglo-Saxons & Vikings, including:
- Roman withdrawal from Britain; Scots invasion
- Invasions, settlements & kingdoms
- · Viking invasions; Danegald
- Edward the Confessor

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

Broader History Study

- ? Ancient Greece, i.e.