Curriculum Overview for Year 5 (Please see half-termly curriculum maps for specific units of work)

English

Reading

- Apply knowledge of morphology & etymology when reading new
- Reading & discuss a broad range of genres & texts
- Identifying & discussing themes
- Make recommendations to others
- Learn poetry by heart

Number/Calculation

all four operations

Confidently add & subtract

context

mentally

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

Use vocabulary of prime, factor &

Use square and cube numbers

Multiply & divide by powers of ten

Writing

- Secure spelling, inc. homophones, prefixes, silent letters, etc.
- Use a thesaurus
- Legible, fluent handwriting
- Plan writing to suit audience & purpose
- Develop character, setting and atmosphere in narrative
- Use organisational & presentational features
- Use consistent appropriate tense
- Proof-reading
- Perform own compositions

Mathematics

composite shapes & area of

Estimate volume & capacity

Measure & identify angles

Understand regular polygons

Reflect & translate shapes

• Interpret tables & line graphs

Solve questions about line

Convert between different units

Geometry & Measures

Calculate perimeter of

Identify 3-d shapes

rectangles

graphs

Grammar

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

Speaking & Listening

• Give well-structured explanations

register

- Command of Standard English
- Consider & evaluate different viewpoints Use appropriate

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

Design & Technology (UKS2)

Art & Design (UKS2)

Use sketchbooks to collect, record, review, revisit &

Improve mastery of techniques such as drawing,

Learn about great artists, architects & designers

painting and sculpture with varied materials

- 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
 - Use mechanical & electrical systems in own products, including programming
 - Cook savoury dishes for a healthy & varied diet

Computing (UKS2)

- 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

evaluate ideas

- and improve own work

Geography

 Name & locate i features of

(UKS2) states, cities & physical North America

- Understand latitude, longitude, Equator, hemispheres, tropics, polar circles
- Study a region of South America: The Amazon Rainforest
- Understand different climates of the world, biomes, vegetation belts, land use, distribution of resources etc.
- Use 4- and 6-figure grid references on OS maps
- Use fieldwork to record & explain areas

Modern

Languages (UKS2)

Listen & engage

- Engage in conversations, expressing opinions
- 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 (UKS2)

- Perform with control & expression solo & in
 - Improvise & compose using dimensions of
 - Listen to detail and recall aurally
- Use & understand basics of staff notation
- Develop an understanding of the history of music, including great musicians & composers

Science

Biology

- Life cycles of plants & animals (inc. mammal, insect, bird, amphibian)
- Describe changes as humans develop & mature
- Classify materials according to a variety of properties
- **Understand mixtures & solutions**
- Know about reversible changes; identify irreversible **Physics**
- Understand location and interaction of Sun, Earth &
- Introduce gravity, resistance & mechanical forces

Throughout these units children will work scientifically.

History

Conflict: Anglo-Saxons

- Invasion
- Weaponry
- Key individuals: King Alfred and Edward the Confessor

Cracking Ideas

- Invention of different modes of travel
- The Achievements and Beliefs of Early **Civilisations: Egypt**
 - Communication through hieroglyphics
 - Architecture through pyramids and
 - Technology through shipbuilding

Physical

Education (UKS2)

- Use running, jumping, catching and throwing in isolation and in combination
- Play competitive games, applying basic principles
- Develop flexibility & control in gym, dance & athletics
- Take part in Outdoor & Adventurous activities
- Compare performances to achieve personal bests
- Swimming proficiency at 25m (KS1 or KS2)

Some PE lessons are taught by specialist PE coaches

Religious

Continue to follow for RE - Understanding

locally- agreed syllabus Christianity and the Leicester scheme of work covering the following units:

Education

- Religion and the individual
- What can we learn from religion about temptation?
- How do people express their spiritual ideas through the arts?
- Islam
- Creation and Science
- Words of wisdom

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