Curriculum Overview for Year 5

Reading

- To maintain a positive attitude to reading and understand what they have read
- Read and discuss a broad range of texts and genres
- Identify and discuss themes
- Make recommendations to others
- Learn Poetry by heart

Number/Calculation

context

operations

mentally

multiple

Science

Biology

Chemistry

Physics

Moon

Secure place value

- Discuss author's use of language
- Make inferences and justify predictions
- Retrieve and present information from non-fiction texts
- Formal presentations and debates

Use negative whole numbers in

Use roman numerals to 1000

Confidently add and subtract

Multiply and divide by powers of

• Life cycles and plants and languages (inc mammal,

• Describe changes as humans develop and mature

• Classify materials according to a variety of properties

• Know about reversible changes: identify irreversible

• Understand location and interaction of sun, Earth and

• Gravity, resistance and mechanical forces

• Electricity: simple circuits & conductors

Use square and cube numbers

English

Writing

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

Grammar

- Secure spelling Inc homophones, Use expanded noun phrases
 - Use modal and passive verbs
 - Use relative clauses
 - Use commas for clauses
 - Use brackets dashes and commas for parenthesis

Speaking and listening

- Give well-structured explanations
- Command of standard English
 - Consider and evaluate different viewpoints

Mathematics

Geometry and Measure

- Calculate perimeter of composite shapes and areas of rectangles Column written methods for all four
 - Estimate volume and capacity
 - Identify 3d shapes
 - Measure and identify angles
- Understand regular polygons Use vocabulary of prime, factor and •
 - Reflect and translate shapes

Statistics

- Interpret tables and line graphs
- Solve questions about line graphs

Fractions and decimals

- Convert between different units Compare and order fractions
 - Add and subtract fractions with common denominators and with mixed numbers
 - Multiply fractions by units
 - Write decimals as fractions
 - Order and round decimal numbers
 - Link percentages to fractions and decimals

History

- **Anglo Saxons and Vikings**
- Scots invasion
- A local study
- Broader history study
 - Ancient Greece ie
 - A study of Greek life, achievements and their influence on the

- Invasion and settlements
 - - western world

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 and designers

Computing

- Design and write programs to solve problems
- Use sequences, repetition, inputs, variables and outputs in programmes
 - Understand computer networks for collaboration and communication
 - Use internet safely, respectfully and responsibly

Design & Technology

- Use research and criteria to develop products which are fit for purpose and aimed at specific
- Use annotated sketches, cross sectioned diagrams and computer aided design.
 - Analyse and evaluate existing products and improve own work
 - Use mechanical and electrical systems in own work, including programming

Languages

• Cook savoury dishes for a healthy, varied diet.

Geography

- Name and locate counties, cities, regions and features of the UK
- Understand Latitude, longitude, Equator, hemispheres, tropics, polar circles and time
 - Use 4 and 6 figure grid references on OS maps
- Use fieldwork to observe, measure and record

Modern ₂

- Listen and engage Engage in conversation, expressing opinions Speak in simple language and be understood
- Develop appropriate pronunciation
- Present ideas and information orally
- Show understanding in simple reading and writing
- Adapt known language to create new ideas
- Describe people places and things
- Understand basic grammar e.g. gender

Music

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

Education Physical,

- Use running, jumping, throwing and catching in isolation and in combination
- Play competitive games, applying basic principles
- Develop flexibility and control in gym, dance and athletics
- Compare performances to achieve personal best
- Swimming proficiency at 25m
- Take part in outdoor and adventurous activities

Religious

Education

- · Religion and the individual
- Beliefs in action in the world
- Faith in action
- Symbols and religious expression

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insects, bird, amphibian

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