

## Year 5 Overview- Core Curriculum

### Literacy

#### Reading

- Apply knowledge of morphology and etymology when reading new words
- Read and discuss a broad range of genres and texts
- Identifying and discussing themes
- Make recommendations to others
- Learn poetry by heart
- Draw inference and make predictions
- Discuss authors' use of language
- Retrieve and present information from non-fiction texts
- Formal presentation and debates

#### Writing

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

#### Grammar

- 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
- Use appropriate register

### Numeracy

#### Number / Calculation

- Secure place value to 1,000,000
- Use negative whole numbers in context
- Use Roman numerals to 100m (M)
- Use standard written method for all four operations
- Confidently add and subtract mentally
- Use vocabulary of prime, factor and multiple
- Multiply and divide by powers of ten
- Use square and cube numbers

#### Geometry and measures

- Convert between different units
- Calculate perimeter of composite shapes and area of rectangles
- Estimate volume and capacity
- Identify 3-D shapes
- Measure and identify angles
- Understand regular polygons
- Reflect and translate shapes

#### Fractions

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

#### Data

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

### Science

#### Life processes and living things

##### Living things in their habitat

- Life cycles of plants and animals (inc mammal, insect, bird, amphibian)
- Plant and animal reproduction

##### Animals , including humans

- Describe changes as humans develop and mature

#### Properties and changes of materials

- Classify materials according to a variety of properties
- Understand mixtures and solutions
- Know about reversible changes; identify irreversible
- Solids, liquids and gases

#### Physics

##### Earth and Space

- Understand location and interaction of sun, earth and moon

##### Forces

- Introduce gravity, resistance and mechanical forces

