

### **Info for website on Year 5 curriculum**

**English: Reading-** Using knowledge of root words, prefixes and suffixes to read unfamiliar words and understand their meaning.

Retrieve, record and present information from a non-fiction text.

Recommend books based on their reading and give reasons why.

Explain the meaning of what they have read and their views upon it in discussion forums.

Reading a range of books that are structured in different ways and for a range of purposes.

Relating what they have read to other texts, identifying themes and conventions.

When reading aloud, using appropriate intonation, tone and volume to suit their audience.

Correcting their reading and checking that the text makes sense to them.

Asking questions to improve their understanding.

Summarising key ideas across a text.

Understanding inference and supporting ideas with evidence from the text.

Identify effective language, structural and presentational choices and the impact this has on the reader.

Distinguish between fact and opinion.

### **Spelling**

Spell words with silent letters. Continue to distinguish between homophones.

Understand how morphology and etymology can be used to aid spelling and how some spellings need to be learnt specifically.

Continue to build up root words using prefixes and suffixes.

Continue to use a dictionary to aid spelling and meaning.

### **Composition**

Ensuring their writing suits the audience and purpose they are writing for.

Making appropriate grammatical and vocabulary choices.

Draw on reading and research to help shape their own writing.

Build further cohesion within and between paragraphs.

Describe characters, setting and atmosphere in narratives, using dialogue to develop these and to advance action.

Evaluating their own writing to make improvements.

## **Grammar**

Use expanded noun phrases to ensure complicated subject matter is delivered concisely.

Use relative clause.

Use modal verbs.

Use the perfect form of verbs.

Use suffixes to convert nouns and adjectives into verbs.

Use brackets, dashes and commas to indicate parenthesis. Use commas to clarify meaning.

## **Maths**

Place value in digits up to 1000000. Reading, writing, ordering and comparing these numbers

Counting in powers of 10.

Interpreting negative numbers.

Identifying Prime numbers.

Multiplying and dividing by powers of 10 and decimals, factors, multiples, squares and cubes.

Formal methods of multiplication, division, addition and subtraction.

Use rounding and inverses to check for accuracy.

Write mixed fractions and improper fractions, find equivalent fractions, understand the concept of percentage. Convert between decimals, fractions and percentages, use decimal notation up to thousandths. Compare, order, add, subtract and multiply fractions. Round, order, add and subtract decimals.

Convert between different units of metric measurement, moving towards imperial.

Understand the difference between area and perimeter as a measurement. Measure perimeter of rectilinear shapes and area of rectangles.

Estimate volume and capacity.

Develop fluency when telling the time, working with money and taking measurements.

Draw angles and measure them in degrees. Draw shapes and measure them in millimetres.

Distinguish between regular and irregular polygons.

Work with acute, obtuse and reflex angles.

Find missing lengths and angles.

Reflect and translate a shape.

Interpret line graphs and solve problems using them.

Interpret, draw and solve problems based on tables.

Decide how to present data.

Express missing number calculations algebraically. Find algebraic rules.

### **Science**

Materials and their properties

Life cycles and reproduction

Forces

The solar system.

### **Geography**

A comparative study of a location within the UK, Europe and South America.

Understand longitude, latitude and time zones.

### **History**

The Anglo- Saxon invasion and settlement of Britain.

Ancient Greece.

### **PE**

Invasion games, net and wall games, striking and fielding, athletics, OAA, swimming, gymnastics and dance.

### **RE**

Christianity- Eucharist and Gospel units.

Hinduism- Moksha

Islam- Revelation

### **Music**

Understanding elements of composition and composing our own songs.

### **French**

Continuing to develop vocabulary and basic grammatical conventions of a foreign language through speaking and listening activities.

### **Art**

Studies of artists and styles relating to our topics e.g. the solar system, Ancient Greece.

### **Design and Technology**

A DT project relating to Science topic of space- a scaled model of the solar system.

### **Computing**

Programming through Scratch. Research effectively using internet search engines

### **Autumn Term:**

Overarching Science topic- Living things and their habitats: 'The Circle of Life'.

To include life cycles in animals and reproduction in animals and plants.

English texts to study- 'The Midnight Fox' by Betsy Byers

This text gives rise to the development of literal and implied comprehension.

Through this text we will complete several extended pieces of writing, namely an informal letter, a poem, a persuasive text and a character study

Speaking and listening will be developed through a reasoned debate.

Spelling- revision of Year 3/4 spelling rules and patterns, with a particular focus on affixes and homophones.

Grammar: converting word classes by using suffixes. Changing the meaning of verbs through prefixes.

Maths- read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit

count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000

interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero

round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000.

Mental strategies for addition and subtraction, development of formal written methods when working with numbers up to 4 digits.

Art: painting and pastel composition in the style of Calico art, portrayed by the artist Dahlov Ipcar.

Geography: Wildlife and farming in part of UK, in Greece (European location linking to study of Ancient Greeks) and Brazil (South American location)

French- Rigolo to be followed.

Music- follow Music Express 'Here and Now' topic- cross curricular with elements of local history.

RE- Eucharist/Holy Communion as part of KS2 'Emanuelle Project'.

PE: net and wall games, development of shots in tennis.