

# Curriculum Overview for Year 5 – Autumn 2020-2021

## English

### Writing objectives:

- In Historical narratives, describing settings, characters and atmosphere and integrating dialogue to convey character and advance the action.
- Use of persuasion in radio or TV
- Fiction from our literary heritage

### Poetry:

- Poems with figurative language
- Haiku and limericks

### Reading objectives:

- Explain the meaning of words in context.
- Retrieve and record information from fiction and non-fiction texts.
- Summarise main ideas from more than one paragraph.
- Make inferences from a text.
- To predict what might happen from details stated and implied
- To identify and explain how information and narrative content is related and contributes to meaning as a whole
- To identify and explain how meaning is enhanced through choice of words and phrases

## Computing

### Algorithms + Programming

Use logical reasoning to solve puzzles and codes  
Create algorithms and programs to draw simple shapes

### Data and information

The importance of human-computer interface system

### How computers work

Opportunities provided for communication and collaboration

### Communication and safety

Be discerning in evaluating digital content

## History

- Develop a chronologically secure knowledge and understanding of British history.
- Learn about the events leading up to, during and after World War I

## Mathematics

- 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
- Solve number problems and practical problems that involve all of the above
- Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.
- Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
- Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers
- Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers
- Establish whether a number up to 100 is prime and recall prime numbers up to 19
- Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers
- Multiply and divide numbers mentally drawing upon known facts
- Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context

## Art

To improve their mastery of art and design techniques, focusing on different shading techniques to create a portrait.  
Manipulate features to create an abstract portrait.

## Music

It's a long way to Tipperary

Analyse film music

Compose a piece of music to fit with a video from Battlefield

## PE

Fitness circuits: developing speed and stamina.  
Tag/ invasion games: developing teamwork.  
Boxercise: developing strength and stamina.

## RE

Caring for Others, Animals and the Environment  
Sharing and Being Generous  
Being Loyal and Steadfast  
Being Hopeful and Visionary

## Science

### Living things and their habitats:

- Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird through explanations and diagrams.
- Describe the life process of reproduction in some plants and animals.

## PSHE and Citizenship

### Being me in my World:

- Compare my life with other people in my country and explain why we have rules, rights and responsibilities to try and make the school and the wider community a fair place.
- Understand how the actions of one person can affect another and can give examples of this from school and a wider community context.

### Celebrating differences:

- Explaining differences between direct and indirect types of bullying

## Design and Technology

To design and create a shelter, considering the most suitable materials for the project.

## Geography

To identify latitude, longitude and the equator.  
Use different map types.  
To describe and understand key aspects of physical geography.