

## Art/DT

This term in art, the children will use their knowledge of colour, line theory and repeated pattern to create pictures of 'living things in their habitats'. We will use the work of Georgia O'Keeffe and William Morris for inspiration.

## GEOGRAPHY

This term the children will learn about Land Use. They will learn about the places around them and begin to look for commonalities in local land use. They will develop cartography skills by making maps of the local area, and conduct agricultural surveys by considering where different types of farming activities occur within the UK.

## MATHS

**Children will be taught to:**  
**Multiplication and Division**

- recall multiplication and division facts for multiplication tables up to  $12 \times 12$
- use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
- recognise and use factor pairs and commutativity in mental calculations
- multiply two-digit and three-digit numbers by a one-digit number using formal written layout

### Fractions

- recognise and show, using diagrams, families of common equivalent fractions
- count up and down in hundredths
- solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
- recognise and write decimal equivalents of any number of tenths or hundreds

### Measurement

- find the area of rectilinear shapes by counting squares

## HISTORY

This term we will focus on the impact the Roman empire had on life in Britain. We will learn about the spread of the Roman empire, the invasion of Britain and the eventual conquest. The children will also look in detail at some aspects of the Romanisation of Britain, such as the building of Roman roads and bathhouses. The children will investigate Hadrian's Wall, examining how, where and why it was built. They will learn about the different features of the wall and use maps to determine its location. A lesson on gods and Roman religion will help the children to understand more about the culture and beliefs of Roman people, and they will play and design games to consolidate their knowledge about the different Roman gods and goddesses

## R.E./P.S.H.C.E/I.C.T

In R.E the children will learn about and understand a range of religions and worldviews, so that they can: describe, explain and analyse beliefs and practices. Focusing on recognising the diversity which exists within and between communities and amongst individuals.

This term, our I.C.T focus is to enhance the children's ability to code and understand the process of coding and design. We will be learning what coding is and how computer programs are created, as well as how to debug a program. We will continue to use our I.C.T skills when presenting and researching other subjects with X-curricular links.

**YEAR 4**  
**Spring**  
**Term**  
**2021**

## SCIENCE

Our Science topic will be 'Forces and Magnets', where we will observe how magnets attract or repel each other and investigate different magnetic materials. The children will observe that magnetic forces can act without direct contact and will explore the behaviour and everyday uses of different magnets. When looking at forces, we will compare how things move on different surfaces, measuring, gathering and recording information scientifically.

After half term, we will be focusing on light, reflections and shadows. We will be learning about different light sources and how they help us see. We will study the basic anatomy of the eye and how we see. Furthermore, we will study the sun's light and how this can be dangerous. Throughout the topic the children will develop their scientific enquiry skills and make observations, predictions and conclusions.

## ENGLISH

### Reading:

Children will be expected to read fluently and clearly independently and aloud to the class. They will discuss words and phrases that capture the readers' interest and imagination and draw inferences and justify these with evidence. By studying the text, we will identify how language and structure contribute to meaning.

### Writing

Throughout the term, we will analyse and discuss different text types. These will reflect the text they will be writing, learning from its structure, vocabulary and grammar. An emphasis will be placed on children, assessing the effectiveness of their writing. Ensuring they are proof-reading for spelling and punctuation errors and suggesting improvements, to up-level their writing.