

## Science

### Classification

Children will learn to classify plants and animals based on specific characteristics. They will describe how living things are classified into groups and learn about the Linnaean System of classification. Children will identify the characteristics of different types of animals and microorganisms. Children will learn how to describe and investigate helpful and harmful micro-organisms. They will classify organisms found in our local habitat by grouping them.

### Working scientifically

Children will record data and results of increasing complexity using classification keys. They will plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary. Children will take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings where appropriate. Children will report and present findings from enquiries, including conclusions, causal relationships and explanations.

## French Notre Ecole

Children will listen attentively to spoken language and demonstrate understanding by joining in and responding. They will be taught how to speak in sentences using familiar vocabulary, phrases and basic language structure. Children will read carefully and show an understanding of words, phrases and simple writing. They will write their own phrases from memory, and adapt these to create sentences to express ideas clearly. They will also gain an understanding of basic grammar appropriate to French, including feminine and masculine forms, key features and patterns of language; how to apply these, for instance, to build sentences; and how these differ from or are similar to English.

## ART

### William Morris - Wallpaper

Children will use sketch books to record observations and use them to review and revisit ideas. They will improve their mastery of art techniques, including drawing and painting with a range of materials including printing techniques. They will learn about William Morris in history.

## AUTUMN 1 Year 6



## English

### Writing Narrative writing

Children will write a single extended narrative or selection of shorter narratives on a single theme, e.g. autobiographical stories, each developing key narrative techniques. Children will write a descriptive diary entry based on their experiences at Kingswood.

### Non-Chronological reports

Children will write a non-chronological report about mountains which is our Geography topic this term.

### Reading

Children will learn how to draw inferences such as inferring characters' feelings, thoughts and motives from their actions and to justify their inferences with evidence. Children will be taught how to predict what might happen from details stated and implied.

## Geography - Mountain Environments

Children will be able to name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including mountains and volcanoes) and land-use patterns; and understand how some of these aspects have changed over time.

They will identify the position and significance of latitude, longitude, equator, northern hemisphere, southern hemisphere, the tropics of cancer and Capricorn, arctic and Antarctic circle, the prime/Greenwich meridian and time zones.

They will use the eight points of a compass, four and six figure grid references, symbols and key to build their knowledge of the UK and the wider world. (Including the use of Ordnance Survey maps.) and describe features studied.

Children will describe and understand key aspects of physical geography including mountains, volcanoes and earthquakes.

## Maths

Children will develop their understanding of place value by multiplying numbers by 10, 100 and 1000.

They will refine and use efficient methods to add, subtract, multiply and divide whole numbers and decimals.

Children will develop their mental methods and apply their understanding of mathematical operations to solve multi-step problems.

They will develop their reasoning skills by drawing mathematical models to support visualisation of problem and using a structured approach to tackle the problem

## Religious Education Buddhism

Children will learn about religious beliefs and practices. They will gain an understanding of sources of wisdom for followers of Buddhism and gain an understanding of Buddhism as a principle religion and world views.

Children will be able to identify key facts about both Christianity and Buddhism. They will gain an understanding of how Buddhist beliefs are inspired by stories of Buddha and the stories that he told.

Children will explore the Dalai Lama as a source of wisdom for Buddhists. They will consider how the Eightfold Path supports Buddhism in following the Buddha's example.

## Music

Children will develop and understand the history of music and learn about Michael Jackson's contribution to popular music.

Children will play and perform using their voices and musical instruments with increasing fluency, control and expression.

## Physical Education Basketball and Football

Children will learn to use running, jumping, throwing and catching in isolation and in combination

They will play competitive games, modified where appropriate and apply basic principles suitable for attacking and defending

### Dance

They will develop flexibility, strength, technique, control and balance

They will perform dances using a range of movement patterns

They will compare their performances with previous ones and demonstrate improvement to achieve their personal best.

## Computing Computer Science - Coding.

Children will use sequence, selection and repetition in programs. They will work with variables and various forms of input and output. They will use logical reasoning to explain how some simple algorithms work. Children will learn how to detect and correct errors in algorithms and programs.

## PSHE Learning Behaviours and Mindset

Children will discuss and reflect on their emotions and experiences during school closure. Children will be able to recognise the importance of mindset in learning. They will learn how to develop a growth mindset to accelerate their learning. Children will have the opportunity to reflect upon and evaluate their own mindset. Children will develop a range of strategies to help them when they are stuck in their learning. They will gain an increasing understanding of the need to develop resilience when coping with challenge. Children will develop the skills to become independent in their learning in preparation for the next stage in their learning.