

## Maths

In mathematics this term, the children will continue to revisit and embed place value, then progress to addition and subtraction.

In Year 5 Addition and Subtraction, children build upon previous learning of formal written methods. Children will add four-digit numbers where one exchange is required. Children will then progress to adding numbers with up to six digits with multiple exchanges. They revisit comparisons of numbers, using estimation, approximation and rounding to help add and subtract mentally.

Children will focus on subtracting four-digit numbers with one exchange before subtracting numbers with up to six digits with multiple exchanges. As children develop their number fluency, they will use inverse operations to calculate and, by the end of the unit, will be able to solve multi-step mathematical problems in the context of addition and subtraction.

## English

This term, we will continue with our writing text Hidden Figures by Margot Lee Shetterly and illustrated by Laura Freeman in which children learn about the achievements and determination of four iconic women at key moments in American and world history.

The text provides an inspiring backdrop for children to write for a range of purposes and for different formal and informal contexts, including a job advertisement, formal and informal letters and a diary.

In our reading lessons, we will continue to explore the text Cosmic; it's one giant leap for boy-kind by Frank Cottrell-Boyce where we will follow the antics of Liam Digby, an ordinary twelve year old that has a cosmic adventure!

We will continue to focus and develop our VIPERS skills (Vocabulary, Inference, Predict, Explain, Retrieval and Sequence/Summarise) in our reading.

We will learn how to identify key words and phrases when answering questions, and how to use dictionaries and thesauruses to deepen our understanding of ambitious vocabulary.

## Phonics/Spelling

### **Week 1**

Words with silent letters.

### **Week 2**

Words with silent letters.

### **Week 3**

Modal verbs.

### **Week 4**

Words ending in 'ment'.

### **Week 5**

Adverbs of possibility and frequency.

### **Week 6**

Statutory Spelling Challenge Words.

## Geography

What is life like in the Alps?

The children will identify the Alps on a world map and label the eight countries in which they are spread through.

They will research and describe the physical and human features of Innsbruck, making comparisons with their own surroundings and use a variety of data collection methods including completing a questionnaire, mapping their route and recording their findings in sketches and photographs.

Finally, they will describe at least four of the key aspects of the human and physical geography of the Alps to answer the enquiry question, 'What is life like in the Alps?'

# Class 5 Term 2

## PE

PE will continue to be covered by our professional coaches, in order to deliver high quality physical activity. This term will focus on hockey and netball skills, using tactical play, possession and teamwork.

PE will be on Tuesday and Friday.

## Science

In science this term, the children will be exploring materials with a focus on mixtures and separation.

The children will learn that some substances will dissolve in a liquid to form a solution, know the factors that affect the time taken to dissolve, including temperature and stirring, and know that some liquids and solids can be separated using sieving, filtering, and evaporation and to describe these processes.

To support their learning the children will plan their investigations by selecting the most appropriate enquiry method to answer questions and give justification for their choices by suggesting the variables which could be changed, measured or controlled.

## Computing

In Term 1, we began looking at the concept of systems with pupils learning to develop their understanding of components working together to make a whole. Looking at digital systems, the children considered the physical and electronic connections that could exist.

In Term 2, we will condense this to look at computer systems and us, thinking about how those systems work in connecting us all together and what help they bring. We will look at transferring information, working together and shared working within computer systems.

## Art

Throughout our Art lessons this term the children will continue to work towards producing a retro-futurism inspired mixed media piece of a view in Space. Each lesson will introduce the children to different techniques to create their own image.

## DT

The children will give examples of machines that use gears and/or pulleys, their purpose, and how they work. They will use this knowledge to draw and annotate an eco-gadget bike design and develop a marketing strategy whilst exploring designs currently on the market.

## Music

This term the children will continue to learn to play the recorder, whilst learning to read and write some notes.

The children will learn how to hold the recorder and form the correct lip shape (embouchure) to help them to make a good, consistent sound. They will also start to explore how to control breathing and tonguing to sound notes clearly.

## RE

Pupils will learn about the concept of 'incarnation' and how it fits within the big story of the Bible. They will study key texts that recount the story of Jesus' birth and the links Christians make to Old Testament prophecies. Children will study and discuss selected texts alongside key Christian beliefs, using theological terms. They will consider the idea of Jesus fulfilling the expectations of the Messiah, within Christian tradition, and consider the importance of this for Christians today.

## PSHE/SRE

Our topic explores friendships: their importance, what being a good friend means, and how to keep friendships positive and healthy. Pupils investigate their own values and identity (including their online identity), and develop skills to resolve difficulties within friendships, including maintaining and respecting personal boundaries and safe touch, managing peer pressure and the effects on friendships of change.