

### **Science:** States of matter

Children will compare and group materials together, according to whether they are solids, liquids or gases. They will observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C). Classes will use investigation to identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

### **Languages**

The children will participate in weekly Italian sessions leaning greetings and introducing themselves, the purpose of which is to fine tune fluency and intonation. Pair work will be a major feature of each lesson to ensure children have the maximum time possible to develop their speaking and listening skills.

### **D.T**

Children will use patterns and create a prototype of a product. Use design criteria to evaluate a product identifying both strengths and areas for development in increasing detail.

### **Computing**

Using Espresso coding children will design, write and debug programs that accomplish specific goals. They will begin to use logical reasoning to explain how some simple algorithms work and detect and correct simple errors.

Children will also learn the importance of using technology, safely, respectfully and responsibly.

### **PE**

Gymnastics  
SAQ and Fitness

### **Music**

Whole Class Brass

## **Year 4**

### **Autumn 2**

### **Maths**

**Number – place value** & Calculations

Children will learn to understand and represent the value of each digit within a four digit number and order and compare these numbers.

Children will count in various multiples of given numbers and count backwards through zero.

Children will learn the Roman number system.

Children will perform various operations using skills and knowledge they have learned.

### **English**

Linked to text – The Fib and other stories.

Reading focus – Apply their growing knowledge of root words, prefixes and suffixes to read aloud and understand the meaning of new words.

Writing focus – Use further prefixes and suffixes and understand how to add them. Write from memory simple sentences that include words and punctuation taught so far.

SP & L focus – To participate in discussions by listening to others and building on from what has been said.

### **Geography**

**What can we discover about Europe?**

In Year 4, the children will begin to learn about different European countries. Building on their work in the UK in Year 3, the children will make comparisons between the UK and different parts of Europe. Within this, the children will examine land use and key human and physical features.

### **R.E.**

Why do Christians call Jesus the light of the world?

