

## HISTORY

This term we will be studying explorers/exploration throughout the ages. We will compare and contrast explorers such as Christopher Columbus, Zheng He, Henry the Navigator and Neil Armstrong. The children will look at the impact of these explorers and the lessons learnt from the past.

## MATHS

Children will be taught from the White Rose scheme of learning. This term we will be focusing on the following:

### Number and place value

- Counting in 10s, 100s, 1,000s, 10,000s and 100,000s
- Compare and order numbers to one million
- Round numbers to one million
- Negative numbers
- Roman numerals

### Addition and subtraction

- Add and subtract whole numbers with more than 4 digits (column method), inverse operations and multi-step problems.
- Round to estimate and approximate

### Statistics

- Read and interpret line graphs and tables
- Draw and use line graphs to solve problems
- Timetables

### Multiplication and division

- Multiples, factors, common factors, square and cube numbers
- Multiply and divide by 10, 100 and 1,000

## COMPUTING

This term's focus will be on E-safety, discussing how to stay safe whilst online. In addition to this, the children will extend their drawing skills to create 3D models. Children will learn how to create simple and complex 3D models. They will be able to add detail and manipulate 3D models using a variety of tools.

## Art/DT

This term in Art the children will be creating a space scene, where they will discuss the use of colour, perspective and texture. They will look at the effect of light on objects depending on the location of the light source. Nearer to Christmas, they will prepare decorations, gifts and cards.

## SCIENCE

This term our Science topics will be 'Earth and Space' and 'Forces'.

'Earth and Space' is the only Astronomy related science unit in the primary science curriculum. The aim is to give children a basic overview of Earth and its place in our Solar System.

We will learn about types of forces such as gravity, friction, water resistance and air resistance. Children will also learn about the use of mechanisms such as levers, gears and pulleys. They will also work collaboratively to investigate air and water resistance, participating in challenges to design the best parachute and boat.

## GEOGRAPHY

This term, children will first find out about the continents of North and South America, and the countries that form them. They will also look in more detail at some of the contrasting regions of the Americas, finding out about the landscape, climate and locations of each area. The children will identify the similarities and differences between a region of the Americas and where they live. Children will also develop their map and atlas skills and practise reading and writing coordinates. They will research a natural wonder of the Americas and create their own presentations to teach others.

## PSCHE

We will continue to work through the '1 Decision', PSHCE learning scheme, studying the 'Keeping/ Staying Safe' and 'Keeping/ Staying Healthy' units. Towards the end of the term, we will also look at puberty in our Growing & Changing unit.

## YEAR 5 Autumn Term 2021 'Man's Journey into the Unknown'

## ENGLISH

**Reading:** In class, we will explore and respond to our class readers by discussing the story and its meaning. We will draw inferences about the characters' feelings, thoughts, emotions and actions. During guided reading, children will complete comprehension activities to support the development of retrieving and recording information from texts. We will be focusing on drawing inferences in order to justify our reasons or points of view.

**Writing:** This term, we will be using the book Shackleton's Journey by William Grill, as well as other Power of Reading texts, to inspire our writing of motivational speeches, diary entries, poetry and playscripts. We will develop our writing skills by looking at model texts and learning their structure, vocabulary and grammar.

**Punctuation & Grammar:** During the term, we will be introducing new punctuation and grammatical concepts, ranging from parenthesis to relative clauses. Children will be learning new concepts which they will begin to apply to their independent writing. These concepts will be revised regularly throughout the year for consolidation.