

## Maths

### Place Value

- Reading and writing numbers to 10 million.
- Comparing numbers to 10 million.
- Rounding numbers.

### Four operations

- Adding and subtracting 4 digit numbers.
- Multiplying by 2 digit numbers.
- Dividing by 2 digit numbers.
- Finding common factors, multiples and prime numbers.

### Fractions

- Simplifying fractions.
- Comparing and ordering fractions.
- Adding and subtracting fractions.
- Multiplying fractions.
- Dividing a fraction by a whole number.
- Writing and reading decimals.
- Writing fractions as decimals.
- Multiplying decimals.
- Dividing decimals.
- Multiplying a decimal by a 2 digit number.

### Measurement

- Converting units of length.
- Converting units of mass.
- Converting units of volume.

## Reading

- Retrieve and record information from non-fiction.
- Draw inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence.
- Predict what might happen from details stated and implied.
- Summarise the main ideas drawn from more than one paragraph, identifying key details that support the main ideas.
- Discuss and evaluate how authors use language, including figurative language, considering the impact on the reader.
- Identify how language, structure and presentation contribute to meaning.
- Distinguish between statements of fact and opinion.
- Make comparisons within and across books.  
"Floodland" - applying skills using VIPERS.

## History

### Term 2-

- Developing chronological awareness by looking at the history of polar exploration and the Space Race.
- Evaluating evidence to answer the question: Why was Amundsen's expedition to the South Pole successful, but Scott's failed?

### Key Concepts

- Diversity- Biodiversity
- Sustainability
- Creation- Mountains

## ICT

### E-Safety-

- To practise the safe sharing of information online
- To identify public and private spaces

### Computing systems and networks- communication (google slide and google draw)

- To know that internet devices have addresses
- To know that data is transferred over the internet in 'packets'
- To work on an online project together- (google docs shared)
- To work collaboratively online in a different way. (I would recommend using google draw instead)
- To look at different methods of communication
- To compare different methods of communicating over the internet

## P.H.S.E

- **Being Me in My World**  
Who am I and how do I fit?'
- **Celebrating Difference**  
Respect for similarity and difference.  
Anti-bullying and being unique

## Geography

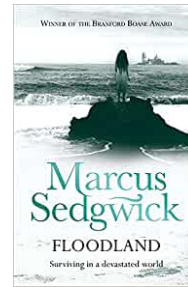
### Term 1- Exploring mountains and polar regions

- Revising and developing mapping skills and knowledge of the world (latitude and longitude).
- Revising what a biome is and focusing on areas of the world that are considered extreme.
- Identify the world's polar significant mountains
- Learn how mountains are formed and their features.

## Extreme Earth

### Inquiry Question

What makes a journey challenging?



### Learning Links

Year 4 - the location of the North and South poles, biomes and deserts in Africa.

Year 5 - Vikings (explorers and traders), forest biomes and animal adaptation for survival.

### School Trips/events

- Science Oxford.
- Junior Citizens training.
- IMPS training.
- Polar Explorer Visit.
- Explorer Day.

## Art

- Brave colour- Looks at the work of installation artists: Yinka Ilori, Morag Myerscough, Lix West and Yolafur Eliasson. Children to create an immersive art installation or design inspired by these artists.

## D.T

- Develop a functional automata window display to meet the requirements of a design brief. Explore cam, follower and axle mechanisms to mimic different movements..

## Science

### Living things and their habitat

- Classifying different animals, plants and micro-organisms
- Giving reasons for why we classify

### Earth and Space

- Describing the movement of the Earth, and other planets, relative to the sun in the solar system
- Describing the movement of the moon relative to the Earth
- Describing the Sun, Earth and Moon as approximately spherical bodies
- Using the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

## R.E

- To understand the beliefs of Humanists.
- To understand Christmas as both a sacred and secular holiday.

## English

### Shackleton's Journey

- Persuasive letter (Formal letter of application).
- Descriptive writing- Antarctic and extreme biomes.

### Floodland

- Narratives- writing the beginning of an action story.
- Drama (Hot seating, conscience alley, freeze frames, soundscape).

### Non Fiction

- Space information text