Autumn 2 Topic Overview

Lower Key Stage 2

Science – Can you be magicians with materials?

In our Science lessons, we will be exploring changes of matter and materials. We will learn what reversible and irreversible changes are and complete different investigations to explore this further. For our investigations, we will:

- Make Origami creatures and see if the paper can return to its original state.
- Blow up a balloon and let go to see if our balloon retains its original shape.
- Explore what happens when we mix bicarbonate of soda and vinegar together.

Geography – What do we know about the highest place on Earth?

In Geography, we will be locating the Seven Summits on a map, learning about some of the peaks within the UK and exploring life on a mountain.

We will investigate what we would pack in our bags before a hike up Mount Everest and explore the climates of different mountain ranges.

Maths

Year 3: We will be finishing our work on addition and subtraction, focusing on using the inverse to check our answers. Then we will move onto multiplication and division focusing on our 3's, 4's and 8's. We will use arrays to share and group and make connections between the times tables.

Year 4: This half term, we have started with area. We will look at how to calculate area, what a rectilinear shape is and how different shapes can still have the same area. We then move onto division and multiplication with a particular focus on 7's and 9's. We will continue to work on Number Sense, focusing on our 3, 4 and 6 times tables.

Art – Collages

In Art, we will be linking to our Geography learning and exploring mountain collages. We will learn about Megan Coyle and explore the techniques she uses, such as layering, scrunching and overlapping. We will then design, make and evaluate our collages.

English

Writing: This term we will be creating Character descriptions using a variety of exciting fictional characters and explanation texts telling the reader how a volcano erupts.

Grammar: This term we will be learning how to use apostrophes for possession, identifying and creating subordinate clauses and prefixes and suffixes and how to apply them correctly.

Spellings: In our Spelling lessons, we will be learning a rule each week, focusing on this during our transcription sessions and also learning the CEW words for LKS2.

Computing

Computing this term is creating our very own stop frame animation. The children will look at how flip books have progressed into the animated films that we see today. They will then plan, resource, photograph and edit their own films.

PE

Indoor – In indoor PE, we will be doing Yoga and learning how this can help to centre your body and mind.

Outdoor – In outdoor PE, we are learning how to play tennis. We will look at the skills needed to move and change direction quickly and the techniques needed to hit the ball accurately.

Reading

In our Reading lessons, we will be reading Millions by Frank Cottrell-Boyce. We will be using the text to answer comprehension style questions each week, focusing on the different question styles.

We will also use a range of other text types, including a non-chronological report and an instructional text.

In our Reading for Pleasure lessons we will be exploring non-fiction books, creating book reviews, sharing books with our peers and creating a blurb and a front cover for one of our class texts.