

## Year 3 Spring Term What will we learn this term?

### English

Our English work this term is linked to our Geography Rocks, Relics and Rumbles, project. We will be writing for a range of different purposes this term, which will include:

- Writing a non-chronological report about the Earth's crust using presentational features.
- Writing a shape poem about a volcano using expanded noun phrases to add detail to their writing.
- Writing a newspaper report about an earthquake using use inverted commas to punctuate direct speech.
- Writing a diary entry and evoke the feelings of a witness to a volcanic eruption.

Our whole class text that we will be reading is called 'The Firework-Maker's Daughter' by Philip Pullman. This story is about Lila who knows what she wants, she doesn't just want to be a Firework-Maker's Daughter; she dreams of being a Firework-Maker herself! Our reading lessons will focus on reading the text fluently and learning and applying a range of comprehension strategies (predicting, clarifying, questioning, summarising and activating prior knowledge) to understand the text.

### Maths

**Multiplication and Division:** In this chapter, pupils will cover the multiplication and division of 3, 4 and 8. Pupils will then get to use their experience of multiplication and division to solve word problems.

**Further Multiplication and Division:** This chapter covers multiplying by a 2-digit number. The first few lessons look at decomposing a number into tens and ones so that the multiplication is easily managed and pupils can see the concept using Base 10 blocks. Lessons move onto multiplying where regrouping is necessary before pupils start to look at division. Decomposing numbers is critical in making both multiplication and division manageable for pupils and this is practised throughout the chapter. Once pupils master multiplication and division, they focus on solving problems using the multiplication and division methods dealt with in previous lessons.

**Length:** Pupils will learn to measure different items using centimetres, metres and kilometres. They will also be able to convert different units of measurement as well as compare different lengths. The chapter ends with five lessons on problem solving involving length, in which pupils use their mental and procedural skills to solve problems with the aid of the bar model method for visualisation.

**Mass:** The chapter begins with measuring mass using scales. Pupils look at different units to measure mass, specifically grams and kilograms. They will become well-versed in reading weighing scales that have different values for each marking. Once raw skills are achieved, pupils will attempt basic word problems which will extend to more challenging word problems. There will also be more exposure to bar modelling, which will be the key strategy used to solve the word problems.

### Science

**Forces and magnets:** This project teaches children about contact and non-contact forces, including friction and magnetism. They investigate frictional and magnetic forces, and identify parts of a magnet and magnetic materials.

### Computing

**Programming A - Sequencing sounds:** This unit explores the concept of sequencing in programming through Scratch. It begins with an introduction to the programming environment, which will be new to most learners. They will be introduced to a selection of motion, sound, and event blocks which they will use to create their own programs, featuring sequences. The final project is to make a representation of a piano. The unit is paced to focus on all aspects of sequences, and make sure that knowledge is built in a structured manner. Learners also apply stages of program design through this unit.

### Geography

**Rocks, Relics and Rumbles:** This project teaches children about the features and characteristics of Earth's layers, including a detailed exploration of volcanic, tectonic and seismic activity.

### Art

**People and Places:** This project teaches children about the genre of figure drawing. They study the figure drawings and urban landscapes of the artist LS Lowry and create artwork in his style to show scenes from their school.

### Design Technology

**Making It Move:** This project is linked to is linked to our Geography, Rocks, Relics and Rumbles, project. This project teaches children about cam mechanisms. They experiment with different shaped cams before designing, making and evaluating a child's automaton toy.

### PE

**Tennis:** The unit of work will explore how to apply the principles of attack vs defence in order to win a game of tennis. Pupils will understand where and why we throw/hit the ball on the court and be introduced to basic shot techniques.

**Gymnastics - Symmetry & Asymmetry:** The unit of work will focus on exploring movements and balances in symmetrical and asymmetrical ways. Pupils will create sequences starting with their symmetrical balance on apparatus, moving out of it and travelling to a new piece of apparatus and ending in their asymmetrical balances applying flow.

#### PSHE

**Dreams and goals:** In this Puzzle the class look at examples of people who have overcome challenges to achieve success and discuss what they can learn from these stories. The children identify their own dreams and ambitions and discuss how it will feel when they achieve them. They talk about facing learning challenges and identify their own strategies for overcoming these. The children talk about obstacles which might stop them from achieving their goals and how to overcome these. They reflect on their progress and successes and identify what they could do better next time.

**Healthy me:** In this Puzzle the class talk about the importance of exercise and how it helps your body to stay healthy. They also talk about their heart and lungs, discuss what they do and that they are very important. The children talk about calories, fat and sugar; they discuss what each of these are and how the amount they consume can affect their health. The class talk about different types of drugs, the ones you take to make you better as well as other drugs. The children think about things, places and people that are dangerous and link this to strategies for keeping themselves safe.

#### RE

This half term in religious education the children will be focusing on the following dispositions:

- Being Fair and Just
- Being Accountable and Living with Integrity
- Remembering Roots
- Being Loyal and Steadfast

#### Music

Learning how to play the Ukulele, practice new skills they have learnt such as rhythm, pace, pitch and composition.