

**Year Group: 3 Term: 5**

**Project Title: Mighty Metals**



Children will learn about forces, magnets and the incredible properties of metals. This project develops children's knowledge of metal names, where they are found, their main properties and how metals can be used in everyday life.

#### Maths

Throughout this term we will look at whole shapes and quantities and see that when a fraction is equivalent to a whole, the numerator and denominator are the same. Building on using part-whole model with whole numbers, children use the models to partition the whole into fractional parts.

In the second part of term we will learn about 'Time'. Children will read and draw the times 'quarter to' and 'quarter past'. They use their knowledge of fractions and turns to identify quarter past and quarter to. Children should recognise that the hour hand moves along with the minute hand.

#### Literacy

Reading Spine: The Iron Man

Fiction: Quest  
Genre: Building Suspense  
Context: Settings—The Manor House

Non fiction: Explanation

Genre: How do magnets work?

Poetry: List Poem—Summer Time

The Talk for Writing approach enables children to read and write independently for a variety of audiences and purposes within different subjects. A key feature is that children internalise the language structures needed to write through 'talking the text', as well as close reading.

#### Science

This term we're going to become fantastic physicists, exploring the world of forces, metals and materials. We'll look closely at levers and explore how they help us to lift heavy objects. In maths, we'll have fun investigating where we need to sit to make a seesaw balance. We'll also investigate iron, think about why some metals rust and discover the properties of different metals.

#### Computing: Desktop Publishing

During this unit, learners will become familiar with the terms 'text' and 'images' and understand that they can be used to communicate messages. They will start to add text and images to create their own pieces of work using desktop publishing software. Learners will look at a range of page layouts thinking carefully about the purpose of these and evaluate how and why desktop publishing is used in the real world.

#### Science Investigations

Can you block magnetism? Why do magnets attract and repel? What does friction do? How mighty are magnets?

#### ART and DT

Product evaluation; Research; Selecting materials; Making vehicles; Building an iron man; Using electrical circuits.

#### PE: Athletics

The focus of the learning is to consolidate our learning from KS1. The focus of the learning is to explore how we can use our bodies to make us run as fast as possible.

#### Music: Bringing Us Together

This is a Disco song about friendship, peace, hope and unity.

#### R.E: Salvation

Key Question: What is Trinity?

Religion: Christianity

#### PSHE/C: Relationships

Jigsaw—Know and show what makes a good relationship.

#### MFL: French

La Familie