



Mighty Metals

You're an engineer, a scientist, a maker of men (iron men, of course).
Explore the scientific world of forces and magnetism, metals and materials.

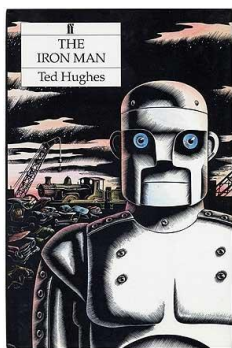


Maths

As **Mathematicians** the children will continue to use a variety of methods for solving addition and subtraction calculations for 2 and 3 digit numbers. This will include crossing the tens and hundreds, exchanging when necessary. Moving on to multiplication and division, the children will use arrays to help them multiply and divide, recapping the 2, 5 and 10 times tables before progressing to the 3s, 4s and 8s. They will explore the strategies taught and how to apply the most appropriate one to help them solve word problems.

English

As **Writers** the children will compose and rehearse their sentences orally and use time adverbials to help them write recounts. We will discuss the language and techniques used by Ted Hughes in the Iron Man and write similes to include in our newspaper reports, as we explore the thoughts and feelings of the characters. Using what we have learnt about forces and magnets, we will look at explanation texts, before writing our own using paragraphs to organise our writing.



PSHE and RE As learners about **Religion** the children will gain an understanding of the Muslim faith as they find out about the Muslim call to prayer and why they get ready for prayer so carefully.

Anti-bullying week begins on the 16th November and in **PSHE** we will be talking about bullying and what makes a good friend.

In **PE** the children will be using a range of equipment to explore and experiment with forces.

Working towards a dance composition the children will use their own body movements to express what lockdown has meant to them.

Art, DT and Music

As **Artists and Designers** the children will design and build robots using junk modelling materials selected according to their functional properties and aesthetic qualities. They will design logos and posters to promote their robots before presenting their creations to the class.

The children will learn to use shading for 3D effects in robot paintings.

As **Musicians** the children will learn about steel bands and the group Stomp, before composing and creating their own theatrical steel band music.

Topic – Science and History

As **Scientists** the children will learn about **Forces and Magnets**. They will compare and group materials based on their magnetic properties and predict whether two magnets will attract or repel each other depending on which poles are facing. The children will also investigate whether magnets have different strengths.

As **Historians** the children will learn about the history of robots and how this has shaped the world around us, discussing positive and negative impacts.