

# Mighty Metals

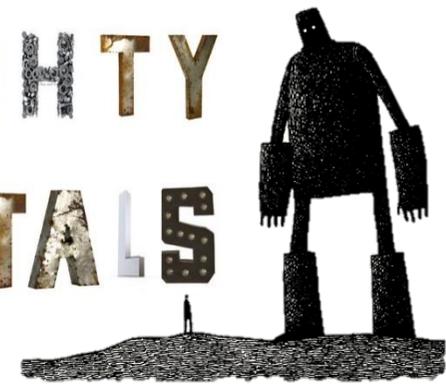
Phoenix

Spring Term 1, 2018

We will compare how objects move over surfaces made from different materials. We will also describe forces in action including magnetic forces, measuring a magnet's strength and sorting magnetic and non-magnetic materials.

SCIENCE

# MIGHTY METALS



## Explanations:

We will write our own explanations of forces from what we see and investigate first hand.

## Character description and narrative:

We will listen to the story 'Iron Man' by Ted Hughes. We will write our own descriptions of the Iron Man before planning and writing a narrative of how the Iron Man meets an iron person we have created ourselves.

## List poetry:

We will continue to focus on enhancing our descriptive vocabularies through writing a list poem about metals, using new vocabulary which we learn.

ENGLISH

This term the children will learn about the following areas building on their current understanding to do some of the following:

**Place value:** Order 2-digit numbers and revise the < and > signs round 2-digit numbers to nearest 10; rehearse place value in 3-digit numbers;

**Measurement, position and direction:** Tell the time to the nearest quarter of an hour on analogue and digital clocks

**Fractions, Ratio and Proportion:** Realise how many of each fraction makes a whole; find equivalent fractions; place fractions on a 0 to 1 number line

**Mental addition and subtraction:** Add and begin to subtract 9, 10 and 11; subtract from 10 and 20; find a difference between two numbers by counting on; adding pairs of 2 and 3-digit numbers through partitioning

**Multiplication and Division:** Recognise and sort multiples of 2, 3, 4, 5, and 10

**Geometry and properties of shape:** Recognise and identify properties (including faces and vertices) of 3D shapes; sort shapes according to their properties; begin to understand angles and identify sizes of angles in relation to 90°

MATHEMATICS

We will research and design products in order to meet design criteria. We will then plan and choose materials, based on their properties, in order to make these products functional and appealing. In order to produce our products we will need to use a range of tools and fixing techniques. Examples of the products we make may include making magnetic travel games or our own iron people inspired by Ted Hughes's story of the 'Iron Man'.

DESIGN TECHNOLOGY

We will improve the range of art techniques we are able to use through creating embossed foil patterns and pictures on foil. We will use various tools to create different effects and imprints.

ART AND DESIGN

This term we will look at how New Year is celebrated by different religions, looking at similarities and differences between them.

RELIGIOUS EDUCATION

Using spreadsheet software we will create a simple data table to record our findings from a topic related investigation. We will then use this to produce graphs and charts to present our findings.

COMPUTING

The children will develop flexibility, strength, technique, control and balance through gymnastics. They will also continue to develop their confidence and competence in the water through weekly swimming sessions.

PHYSICAL EDUCATION

Year 2  
The children will continue to use the story of 'The Hungry Caterpillar' to learn to say 'I'm hungry and I would like...' using a range of foods.

Year 3  
The will continue their learning of classroom objects and commands, as well as learning about Mardi Gras.

FRENCH

We will play tuned and untuned metal instruments to create a 'steel band'.

MUSIC

We will look at the term 'bullying' and what it means. We will go on to look at what to do if feel someone is getting bullied or we are being bullied ourselves.

PSHE / SMSC