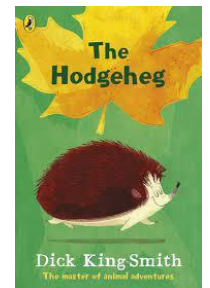
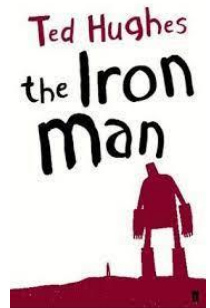


Year 3 Summer 1 - How can you do a lot of work, with little effort?



This term, in year 3, we will learn all about magnets, forces and robotics. We will be very hands on this term, taking part in a range of science experiments to explore and test forces and magnetism. We will work scientifically - making predictions, carrying out fair tests and concluding results. The children will design and create a robot with a mechanism which allows it to move.

Key Texts



Key vocabulary

Force	A force is a push or a pull on an object. A force happens when two objects interact.
Magnet	Magnetism is a force that can attract (pull closer) or repel (push away) objects that have a magnetic material inside.
Poles	Either of the two points at the end of a magnet where the lines of magnetic force meet and are strongest.
Gravity	Gravity is a pulling force that works across space. That is, objects do not have to touch each other for the force of gravity to affect them
Robot	A robot is a machine operated by computer programs.
Code	Coding is the method of giving a computer instructions to perform a specific task.
Mountain	A mountain is a landform that rises high above its surroundings. Taller than a hill, it usually has steep slopes and a rounded or sharp peak.

Maths

Shape

- To draw 2D and 3D shapes.
- To recognise 3D shapes in different orientations
- To describe 3D shapes.
- To recognise angles as a property of shape.
- To identify right angles.
- To identify horizontal and vertical lines, perpendicular and parallel.

Statistics

- To interpret and construct simple pictograms, tally charts, block diagrams and tables.
- To ask and answer simple questions about categorical data.

Science

- I know about and describe how objects move on different surfaces.
- I know how some forces require contact and some do not, giving examples
- I know about and explain how objects attract, repel in relations to magnets and other objects
- I predict whether objects will be magnetic and carry out an enquiry to test this out
- I know how magnets work
- I predict whether magnets will attract or repel and give a reason

Art/Design

- I follow a step-by-step plan, choosing the right equipment and materials
- I make a product which uses mechanical components.
- I work accurately to make cuts and holes
- I can describe how food ingredients come together

English

The children will be reading the story Iron Man by Ted Hughes. As it is the last term of year 3, the children will be using this text to carry out short bursts of writing to re-visit genres we have previously written. These include diary entries, short poems, description, and speech. The children will have lots of opportunities to discuss events, make predictions and inferences, as well as identifying and applying key vocabulary to their own writing.

The children's main piece of writing this half term, will be written in a journalistic style. They will report on events that take place in the text in the style of a blog. In addition to this, they will be writing dialogue for a TV news broadcast. The children will be able to perform their news report in groups to an audience.

Geography

- Mountains - Continent focus Europe including UK
- I describe mountain environments and their climate using geographical language
- I name mountains and mountain ranges from a variety of European countries, including the UK
- I know the name of a number of countries in the Northern Hemisphere and can locate them in an atlas or on a map/globe

RE

The children will continue to learn about the charity involvement of different religious groups. They will think about the reasons behind charity work, both spiritually and personally and how it can strengthen community spirit. They will explore collective belief and how religious groups share the same beliefs.