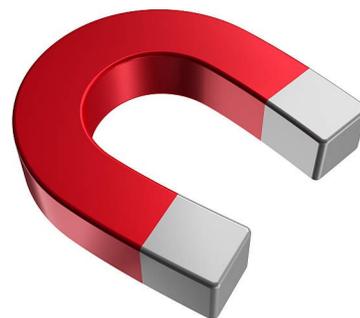


Mighty Metals

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. Expand your mind as you test and trial, build and move. Which force is at play as you slide down a slide or swing on a swing? Can you explain why magnets repel and attract? Can you make a penny look shiny and new or build a steel band from pots and pans? Then, meet Hogarth the Iron Man's companion. The Iron Man wants a friend. Can you build him one? You must make him strong, sturdy and ready to rumble. If you were a metal, which one would you be? Gold, a shimmering, precious and costly mineral? Or steel, that strong and useful alloy? Maybe you're iron, malleable and easy to shape, but ready to rust. Maybe you're not a metal at all, but a force to be reckoned with.



Enrichment

As a part of our Topic this term, we hoping to have a visitor to help us create wire sculptures.

In order to fund this, we ask for a voluntary contribution from parents of £10 for the year per child payable via parent pay.

Reading

We can't stress enough how important reading is. So we ask that **20 minutes** of reading is happening **3 times per week** as a minimum.

The more the better!

Please ensure your child's home reading book and record is in school every **Monday** morning with a record of their home reading.

P.E

This year we are going back to two P.E lessons per week (see timetable below). We ask that children are sent with the appropriate kit to wear, including trainers for outdoor P.E

Mrs Trevelyan Class F	Miss Villers Class G	Miss Martin Class H
Indoor—Thursday Outdoor—Wednesday	Indoor—Friday Outdoor—Tuesday	Indoor—Tuesday Outdoor—Monday

Homework

Every Friday, we will be setting homework for Spelling and Maths. These will be set on either Purple Mash, Spelling Shed, Maths Shed or Times Tables Rockstars. You will be notified by text which platform this has been set on. A letter will be sent home reminding you of your child's logins.



Achieve, Challenge, Enjoy

Moorgate
Primary Academy

STAFFORDSHIRE UNIVERSITY ACADEMIES TRUST

If you would like to contact or email any home learning to your child's class teacher their emails are as follows:

Mrs Trevelyan— classf@moorgateacademy.co.uk

Miss Villers— classg@moorgateacademy.co.uk

Miss Martin— classh@moorgateacademy.co.uk

Mighty Metals



These activities are for you to do at home with an adult. You can do all of them or choose the ones that you find most interesting.

Activities

1. Use information books and the internet to find out about contact and non-contact forces, including friction, gravity and magnetism. Create an information poster to report your findings. Include a title, headings, facts and pictures.
2. Watch videos or read information books to find out about friction in everyday life. Write a definition of what friction is, then create a table to describe occasions when friction is helpful and unhelpful.
3. Air resistance is a type of friction between air and another material. Use your research skills to learn about air resistance. Afterwards, look at the pictures and write sentences to explain the effect that air resistance will have on each object. Does the shape of the object matter for air resistance?



bird



parachute



aeroplane



racing car

4. Galileo Galilei was a famous 16th century scientist who carried out experiments to learn about forces. Use the internet or information books to find out about Galileo's law of free fall, then write a short descriptive report. You might like to learn more about other scientific discoveries that he made.
5. Create a piece of art using aluminium foil. You can find many examples on the internet by typing key terms, such as 'aluminium foil art ideas', into the search bar.