

# Mighty Metals



Mighty metals are everywhere! From earrings to rockets, metals have shaped the world we live in today.

This half term, we're going to become fantastic physicists, exploring the world of forces, metals and materials. At a playground, we'll explore the forces that help us to slide and swing. Then, we'll bring toys from home to investigate how they work. 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. To learn more about forces, we'll make spinners, play with parachutes and make magnetic games. We'll also investigate iron, think about why some metals rust and discover the properties of different metals. Using pots, pans and other metal objects, we'll compose a metal musical extravaganza and use our artistic skills to create embossed patterns and pictures.

At the end of the ILP, we'll invite you to see what we've learned. We'll also answer tricky quiz questions and make fantastic metal jewellery.

ILP focus	Science and technology
<b>Languages, literacy and communication</b>	Non-chronological reports, explanations, instructions, list poetry, recounts
<b>Science and technology</b>	Forces and magnets, working scientifically, product evaluation, using research to inform design, selecting materials, making vehicles, building an iron man, using electrical circuits, creating spreadsheets, using presentation software
<b>Expressive arts</b>	Embossed pattern and pictures, making jewellery, performing using metal objects for instruments
<b>Mathematics and numeracy</b>	Measuring length
<b>Health and well-being</b>	Using PE equipment to explore forces

## Help your child prepare for their project

Metals and magnets are everywhere! Why not do a hunt around the house to see how metal is used? You could also make fridge magnets using a flat magnet, glue and modelling clay or recycled materials. Alternatively, you could build models using blocks or recycled materials and investigate the force needed to knock them over!