

Southill Primary School

Year Three: Autumn Term 2 2020

Mighty Metals Year 3

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.

As **mathematicians**, the children will be learning about:

- Subtraction
- Multiplication $\times 3$ $\times 4$ $\times 8$. Multiplying 2 digit numbers
- Division
- Word problem solving.

As **writers**, the children will be writing a defeat the monster/baddie story, drawing inspiration from our model text 'The Cobbler & The Dragon'. The focus will be on creating suspense for the reader. The children will also use the context of Dragons to write a persuasive leaflet to Visit Dragonland.

As **readers** we'll enjoy the best selling classic The Iron Man by Ted Hughes. Mankind must put a stop to the dreadful destruction by the Iron Man and set a trap for him, but he cannot be kept down. Then, when a terrible monster from outer space threatens to lay waste to the planet, it is the Iron Man who finds a way to save the world.

As **musicians** the children will be learning how to play chime bars / glockenspiel as well as some music theory relating to pulse and notation.

As **artists** the children will be embossing in foil – on a Christmas theme.

As **scientists** the children will be comparing how things move on different surfaces, investigating forces, observing how magnets attract and repel, compare everyday materials on the basis of whether they are attracted to a magnet or not and carrying out test on the strength of different magnets.