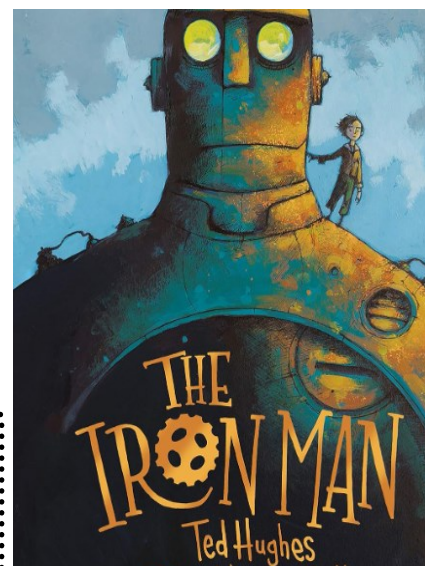


# MIGHTY METALS

## Year 3 – Spring 1 Curriculum Letter



This half term we are basing our learning around the story of 'The Iron Man' by Ted Hughes. We believe this is going to be an exciting and fun filled topic, beginning with our robotic launch this week! We will be learning about the importance of metals in Science and how they relate to forces and magnets. In Art and design, we will be creating our own 3D sculptures.

### English (Reading)

- Identify themes and conventions in a wide range of books.
- Ask questions to improve their understanding of a text.
- Predict what might happen from details stated and implied.
- Identify how language, structure, and presentation contribute to meaning.



### Science (Forces and magnets)

- Compare how things move on different surfaces
- Notice that some forces need contact between 2 objects, but magnetic forces can act at a distance
- Observe how magnets attract or repel each other and attract some materials and not others
- Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials
- Describe magnets as having 2 poles
- Predict whether 2 magnets will attract or repel each other, depending on which poles are facing

### English (Writing)

- Organise paragraphs around a theme.
- Write narratives, create settings, characters and plot.
- Include detail using expanded noun phrases, similes, metaphors and onomatopoeias.
- Proofread for spelling and punctuation errors.
- Extending the range of sentences with more than one clause by using a wider range of conjunctions, including when, if, because, although.
- Use conjunctions, adverbs and prepositions to express time and cause.



### Maths (Multiplication and division)

- Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.
- Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written method.

### (Length and perimeter)

- Measure, compare, add and subtract: lengths (m/cm/mm).
- Measure the perimeter of simple 2-D shapes.



## PE (Dance)

- Improvise independently, with a partner or a small group.
- Mirror a partner's dance moves.
- Begin to compare and adapt movements and motifs to create a larger sequence.

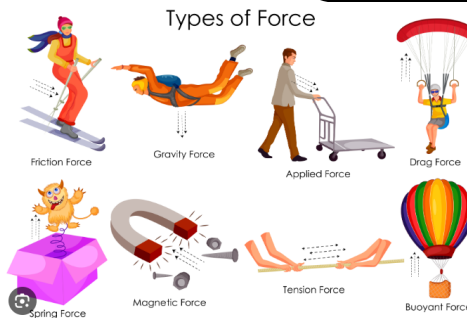
## RE (Hinduism)

- Identify Hindu deities and say how they help Hindus describe God.
- Listen to stories and discover the different ways Hindus worship.



## PE (Netball)

- Pass a ball using correct technique.
- Work as team to score goals.
- Play competitive games and apply basic principles of a competition.



## D.T. (Microbit)

- Follow instructions to create a microbit.
- Create a name tag using a virtual microbit and discuss its function.

## PSHE (Dreams and goals)

- respect and admire people who overcome obstacles.
- Imagine how I will feel when I achieve my goal.
- Break down a goal into a number of steps to achieve it.
- Know that I can use my strengths as a learner to achieve my goal.
- Manage to feelings of frustration that may arise when obstacles occur.



## Music

- Compare using ternary form.
- Use technology to compare music.



## Art (Sculpture and 3D)

- Generate ideas from a range of stimuli and carry out simple research and evaluation as part of the making process.
- Recognise the difference between 2D and 3D.
- Make a structure that holds its 3D shape.
- Confidently use of a range of materials and tools, selecting and using these appropriately with more independence.



## Computing (Coding)

- Design, write and run executable programs using a programming language.
- Be able to debug an algorithm.



## Important dates:

Outdoor PE—Tuesday PM?  
Indoor P.E.—  
Spelling test—Friday  
Homework—Shown on Fridays

## French (Places to live)

- Listen attentively to spoken language and show understanding by joining in and responding
- Speak in sentences, using familiar vocabulary, phrases and basic language structures
- Write phrases from memory, and adapt these to create new sentences, to express ideas clearly
- Broaden vocabulary and develop ability to understand new words that are introduced into familiar written material, including through using a dictionary



## How you can help your child:

- Encourage regular reading and ask questions about what they have read and get them to explain the text.
- Practise mental maths—quick fire questions on all topics.
- Practise times tables by encouraging them to visit TT rockstars online.
- Ensure at least 3 pieces of homework are returned.
- Make sure suitable P.E. kit is being worn.
- Bring in some cardboard for our Art lessons (more details to follow!)