

The Mystery of Metal Knowledge Organiser



**Our big question is:
Should you judge a book by
its cover?**

Key Vocabulary from The Iron Man text		Definition
1	Infrared	Rays like light but outside the visible spectrum at the red end/ although we cannot see it, we can feel it as heat.
2	Torso	The trunk of the human body (ribs, navel etc.)
3	Sheer	Incredibly steep, almost vertical.
4	Harrow	Equipment used for breaking up and smoothing out soil.
5	Colossal	Extremely large or great.
6	Unfurled	Spread out from a rolled or folded state.
7	Hillock	A small hill or mound.
8	Jolt	Push or shake abruptly.
9	Boughs	Main branch of a tree.
10	Girders	Large iron or steel beam often used to build bridges.
11	Constellation	Group of stars forming a recognizable pattern.
12	Astronomers	An expert in stars, planets and space.
13	Silhouette	The dark shape and outline of someone or something.
14	Blotted	To get in the way of a view of something.
15	Pedestals	The base or support on which a statue is kept.
16	Lament	Passionate expression of grief or sorrow.
17	Blissful	Extremely happy, full of joy.

How can you help at home?

- Look at vocabulary when reading texts at home
- Explore vocabulary using a dictionary
- Investigate magnetic objects within your home
- Discuss relationships between characters in texts you read at home



Magnetic Maze

Design and Technology Vocabulary		Definition
1	Plan	A process of thinking through ideas to achieve an end result.
2	Design	A drawing that shows how something is to be made.
3	Diagrams	A drawing or picture that shows the parts of something or how it works.
4	Labels	A word to give more information about a picture.
5	Tools	Objects that help you to do a particular job, like scissors, rulers etc.
6	Equipment	The things needed to complete a set task.
7	Fit for purpose	The most suitable object to complete the job successfully.
8	Lever	Something you hold that is pushed or pulled to create a movement.

**Our Key Concepts:
Relationships**

Science Vocabulary		Definition
1	Force	A push or pull on an object which can cause it to move, change speed, direction or shape. Measured in Newtons (N).
2	Magnet	A material or object that produces a magnetic field. It attracts or repels magnetic objects, including iron.
3	Contact force	A force that requires physical contact to occur e.g. kicking a ball.
4	Attract	To pull towards. Opposite of repel.
5	Repel	To push away. Opposite of attract.
6	Propel	The act of driving or pushing forward.
7	Friction	The resistance of motion when one object rubs against another. Friction causes objects to slow down and the energy becomes heat.
8	Gravity	The area around a large object when a weight can be felt. The sun's gravity keeps the planets orbiting around it.

Attract

Repel

OR

Bar Magnet Horseshoe Magnet Disc Magnet

Magnets have north and south poles. These attract each other but two north or two south poles repel each other.