

The Mystery of Metal Knowledge Organiser

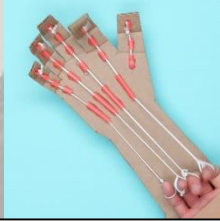


**Our big question is:
Should you judge a book by
its cover?**

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



Hand made with a lever

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

N S ↔ S N

Repel

N S ↔ S S

OR

S N ↔ N S

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.