

# The Mystery of Metal Knowledge Organiser



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

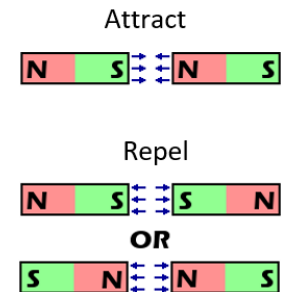
Key Vocabulary from The Iron Man text		Definition
1	<i>Infrared</i>	Rays like light but outside the visible spectrum at the red end/ although we cannot see it, we can feel it as heat.
2	<i>Torso</i>	The trunk of the human body (ribs, navel etc.)
3	<i>Sheer</i>	Incredibly steep, almost vertical.
4	<i>Harrow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

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

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



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

