

Key questions:

What are materials and what are their properties?
 What materials are magnetic?
 What materials are waterproof?

Key knowledge:

- An object can be made out of different materials used together; for example, a **chair can be made from metal, wood and plastic.**
- Each material can be used to make a range of different things; for example, **wood can be used to make tables, chairs, spoons, pencils, shoes, doors, floors** and many more things.
- The shape of some materials can be changed when they are **stretched, twisted, bent and squashed.**

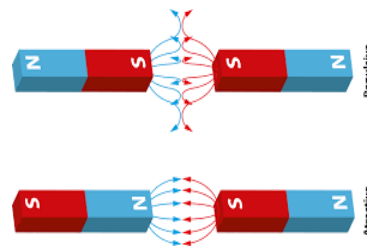


Scientific Vocabulary Mat



Key knowledge:

- **Magnets have two poles** that either attract or repel other metals.



Key vocabulary:

Material – what objects are made from.

Absorbent – a material which is able to soak up liquid easily.

Transparent – a material that **allows** light to pass through so that objects behind it can be seen clearly.

Translucent – a material that **allows some** light to pass through, so that the shape of objects behind it can be seen.

Opaque – a material that **does not** allow light to pass through it.

Waterproof – a material which is unable to soak up liquid.

Rigid – a material that is **hard** and unable to be bent or forced out of shape.

Magnetic – a piece of metal that can pull certain types of metal towards itself.

Working like a scientist (outputs):

- Find a waterproof material for Teddy's umbrella.
- Explore which everyday objects are magnetic.
- Build a house for the three pigs using alternative materials.