

MAGNETIC MATERIALS

WHAT ARE MAGNETS ATTRACTED TO?

Magnets are attracted to other magnets and anything that has iron in it. Iron is used to make steel which is very strong and hardwearing.

HOW USEFUL ARE MAGNETS?

Did you know there are many magnets in your house? Everything with a motor has a magnet in it. Dishwashers, washing machines, fans, microwaves. How many motors are there in your house?

MAGNETIC FORCE

The Dyson digital motor contains a very strong magnet made of neodymium.

The strong magnetic forces in the magnet make the Dyson digital motor spin up to 104,000 times per minute – five times faster than a Formula 1 car engine!

MAGNETS

**THERE IS A MAGNETIC STRIP AROUND THE INSIDE YOUR FRIDGE...
... TO KEEP THE DOOR SHUT.**

CREDIT CARDS HAVE A MAGNETIC STRIP THAT HOLDS ALL THE CARD INFORMATION.

MRI MACHINE

Magnets can produce pictures of your body. A Magnetic Resonance Imaging machine uses an incredibly strong magnet that can produce a large, stable magnetic field.

MAGNETS CAN BE USED TO HOLD PARTS OF THINGS TOGETHER, SUCH AS HANDBAGS OR TOYS.

ROLLERCOASTERS

Rollercoasters use magnets to help propel carriages quickly at the beginning of the ride and to stop at the end.

MOBILE PHONES HAVE MAGNETS IN THEIR SPEAKERS AND EARPIECES.

The magnet vibrates the speaker or earpiece producing sound.

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