

It is only metals that are attracted to magnets. Plastic, wood and other materials are never magnetic. However, not all metals that are magnetic. Iron and steel are both magnetic whereas copper, brass and aluminium are not. Some alloys (a mixture of two or more metals) can also be magnetic if they contain iron, steel, nickel or cobalt.

Can you remember which materials are magnetic and which aren't?



How many uses for magnets can you think of? Discuss your ideas then list them on the next slide.



Can you explain how each of these pictures represents a use for magnets?



Today we will be researching some different uses for magnets. What different sources of information could we use to find out about some of the ways in which magnets are used in everyday life?

Task:

Your challenge is to investigate different uses for magnets. You will need to decide how to research each different area and how you will present the information you gather. Choose one to research in depth or 2 or more to research in less detail.

Your topics are:

*Maglev
Trains*

Recycling

*Everyday
Uses*

Electromagnetism

*What
sources of
information
will you use*

*How will you
present the
information
you have*

*How will you
record
your
findings?*