

1. How does the force of magnetism work?

<https://www.bbc.co.uk/bitesize/clips/z3gvr82>

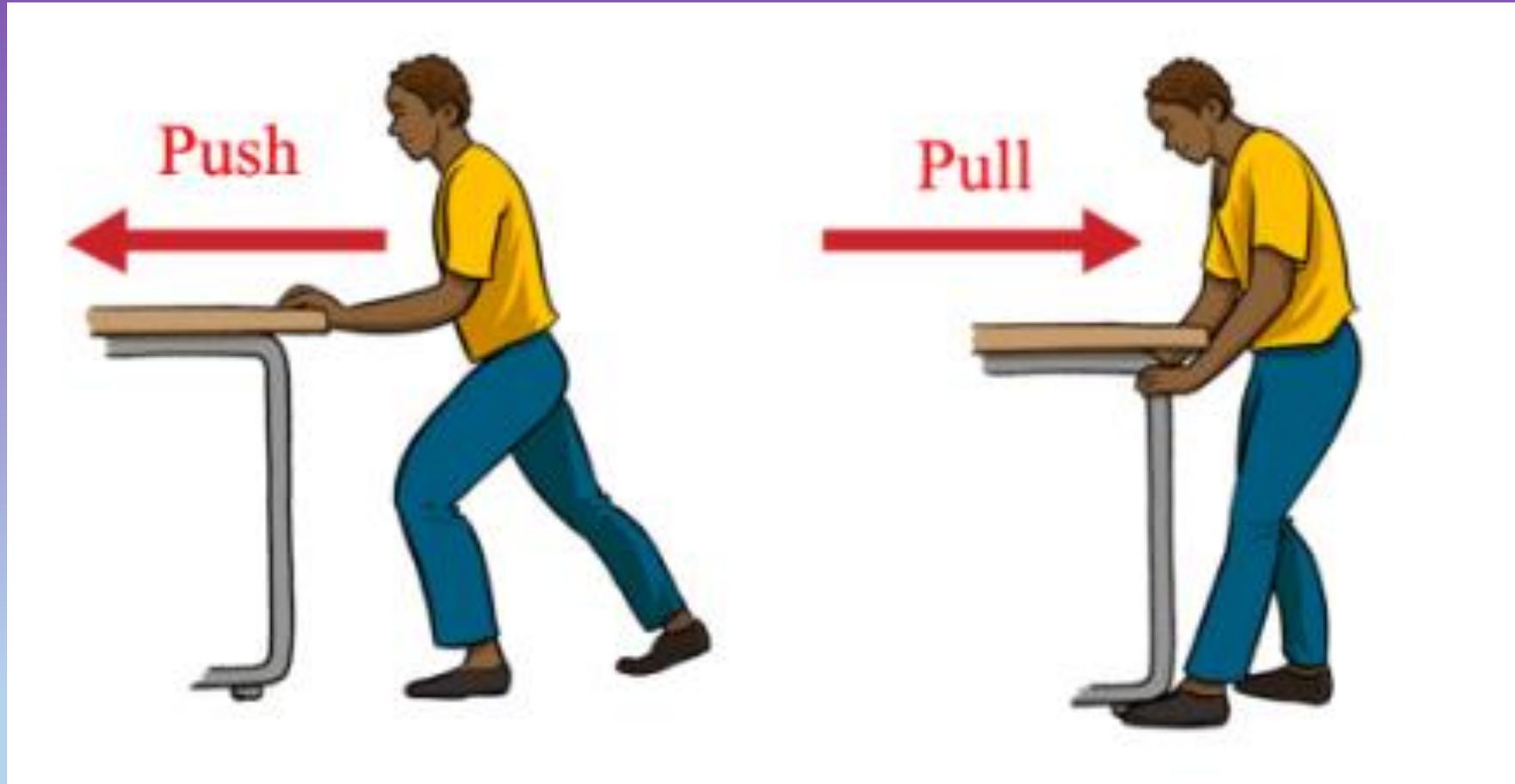


What do we need to learn about in Y3?

We Are Learning To understand:

- How objects move on different surfaces
- That magnetic forces act at a distance
- That magnets attract some materials and not others

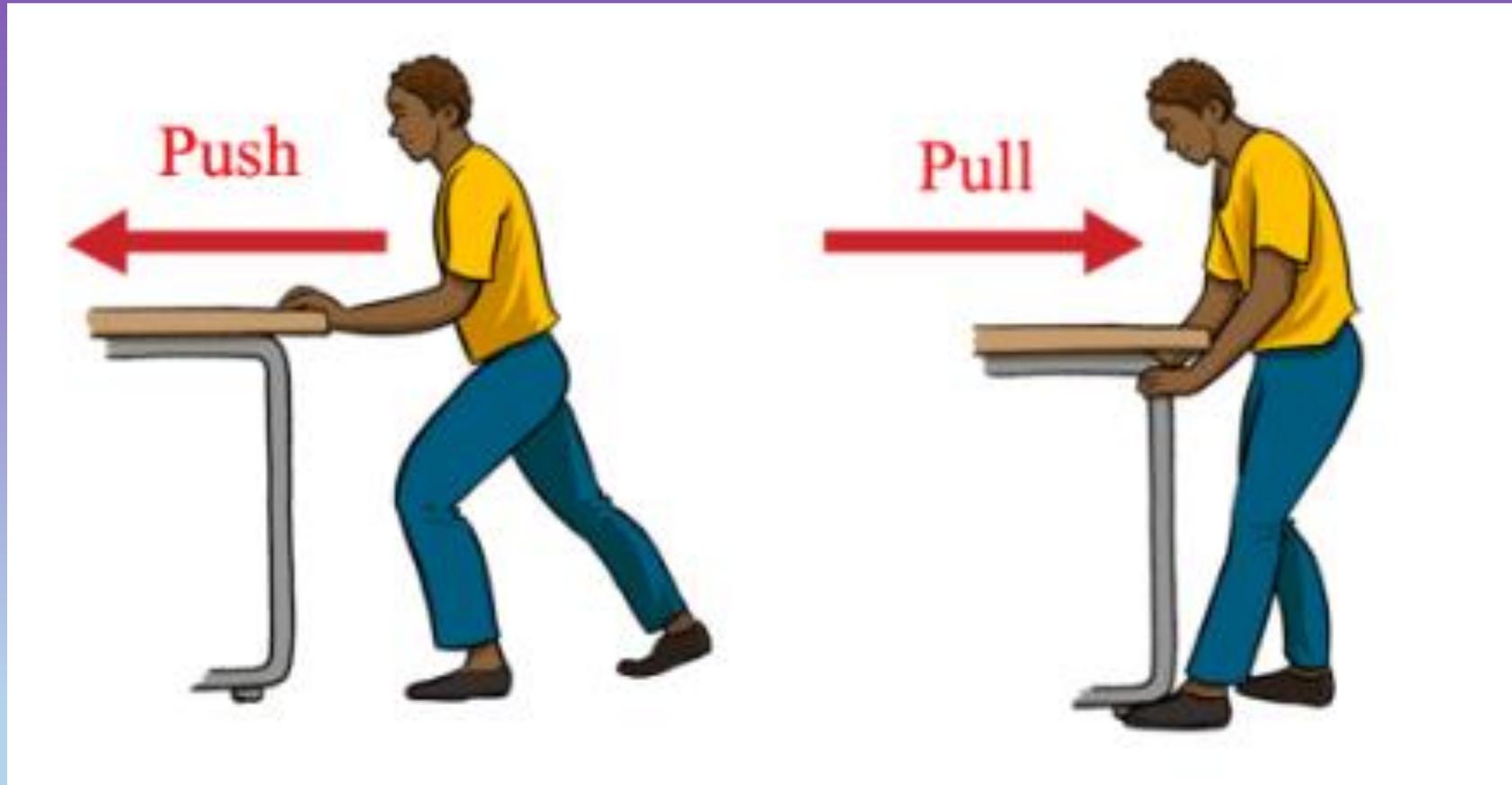
A force can cause an object to move.



Is contact needed to move the objects in the pictures?

YES!

Contact has to be made to force the objects to move.



The man touches the table in each picture, to make it move.

Most forces that act on an object have to make contact with the object itself.



The foot touches the rugby ball to exert a push force to make it move.



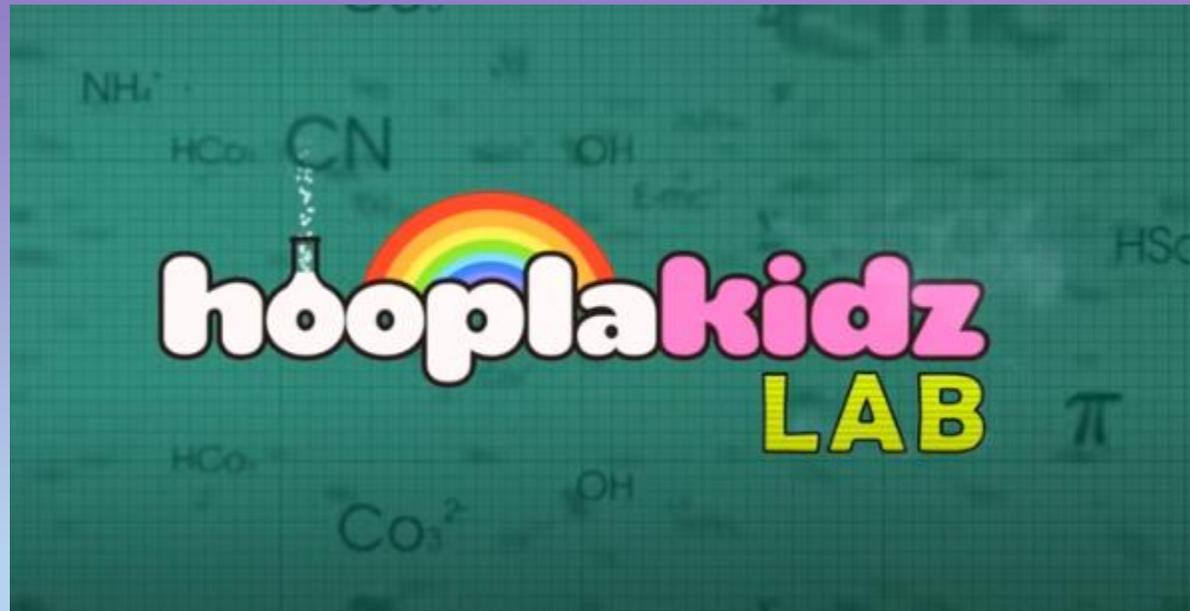
The people touch the rope to use a pull force to make it move.

A magnet will move an object at a distance, without the magnet having to touch the object.



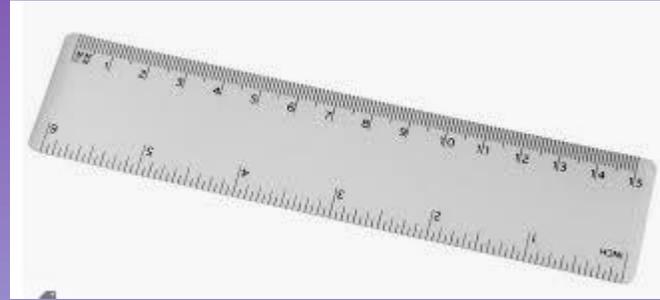
Magnetism is an invisible force.

Watch the way magnetism attracts objects at a distance in the following video



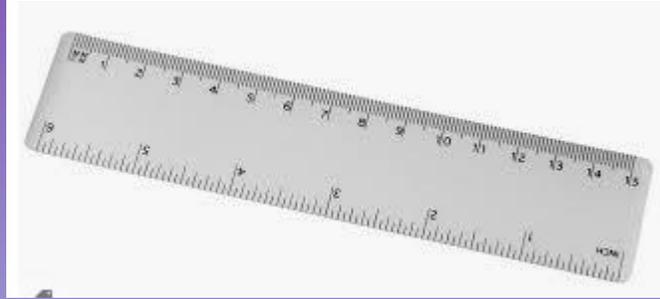
https://www.youtube.com/watch?v=JCDB4YTT_0E

Which objects are attracted to a magnet?



If you have a fridge magnet, test the objects around the house, to see which objects stick to it.

Answers



Were
you
correct?

What do you think these magnetic materials are made of?





METALS

Are all metals magnetic? What about all coins? What about aluminium cans? Try them out if you have your own fridge magnet at home.

Only a few metals are magnetic!

Aluminium is not a magnetic material.

Iron is a common magnetic material.

It is also found in food.

Iron is added to cereal.

Can a magnet attract the iron out of some cereal?

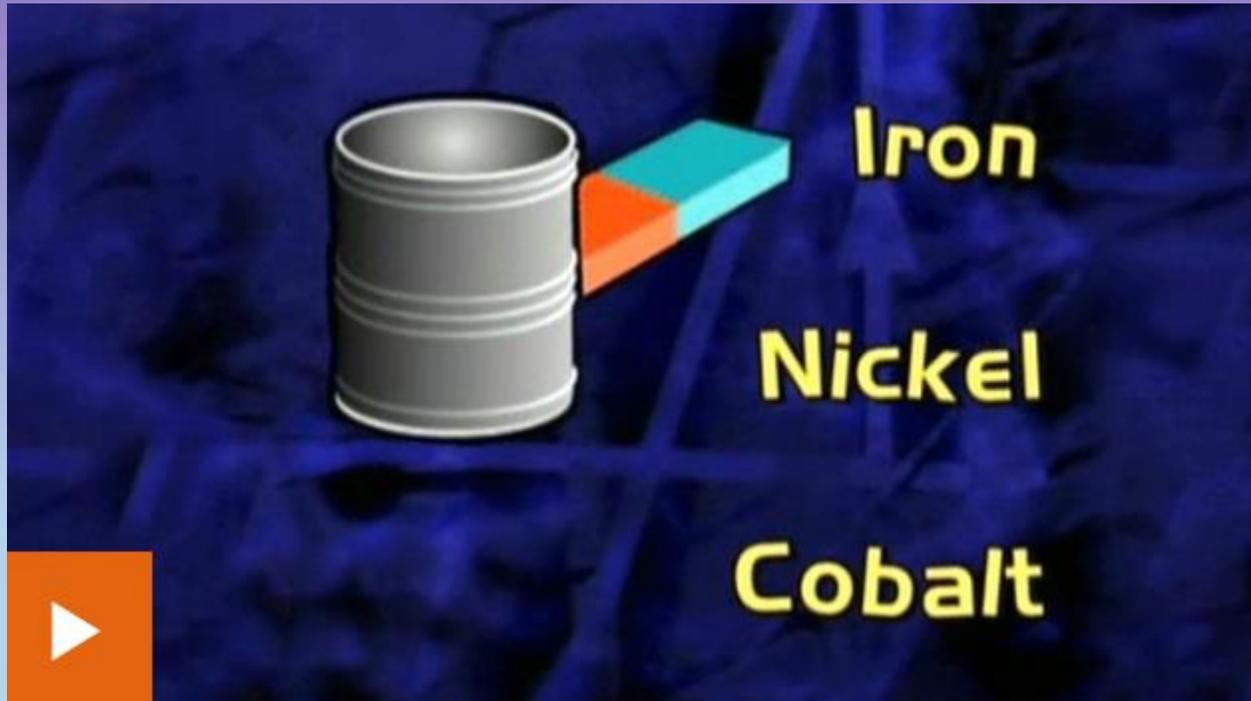
Follow the link to find out!

<https://www.youtube.com/watch?v=ZlyKe9VE6o8>



Which metals are magnetic?

<https://www.bbc.co.uk/bitesize/clips/zk9rkqt>



What have you learned?

How many magnetic objects can you find in your home?

Complete the sorting sheet to show your learning.

OR

Draw pictures or take photos to make a poster to show your understanding of magnetic and non-magnetic materials.

THANK YOU!

Now move on to the next slide show!