Key vocabulary	
force	A force is a push or a pull.
magnetic	An invisible force that attracts
force	magnetic metals.
magnet	Magnets attract magnetic
	materials. Iron, nickel, cobalt
	and materials that contain these
	(e.g. stainless steel) are
	magnetic.
attract	To pull towards.
repel	To push away.
poles	Magnets have two poles, a
	north pole and a south pole.
contact force	Many forces need contact to
	act:
non-contact	Magnetic force does not need
force	contact and can act at a
	distance.

### **Objects moving on surfaces:**



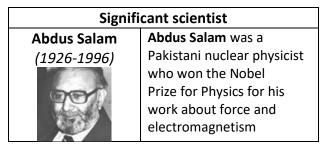
Ice skates have a sharp blade. This helps them move better on ice.

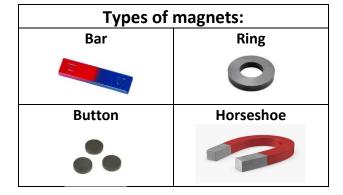
It is much harder to walk on ice in trainers.

A bowling green is closely mown so the grass is short and the balls roll easily.

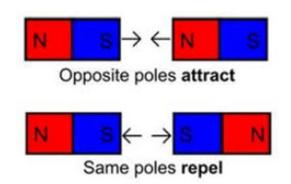


# Forces and magnets Year 3





## Magnets have two poles





# Sticky Knowledge: a magnet attracts magnetic materials.



#### We can sort and classify materials as:



