



A contact force occurs when two objects physically touch



Non-contact force



A force that acts on an object without touching it

push

pull

twist or **turn** = push + pull

forces act in **opposite** directions

friction is the force that stops things from moving

resistance is a force that slows down an object that is moving

magnets

horseshoe **ring** **bar**

magnets always have a north and south pole

North **South**

magnetic field

North **South**

opposite poles attract

similar poles repel

magnetic materials

non-magnetic

iron and steel

copper and aluminium

surfaces change how objects move (**motion**) over them

grass

carpet

wood

table

rough

smooth