

# Science: Forces and Magnets



In this topic children work scientifically on a variety of quick investigations and longer tasks to learn about forces and magnets.

This topic looks at magnets and their uses, and what makes magnetic poles special, along with the idea that some forces such as magnetic force can act without contact – unlike pushes and pulls, which require direct contact.

- compare how things move on different surfaces
- notice that some forces need contact between 2 objects, but magnetic forces can act at a distance
- observe how magnets attract or repel each other and attract some materials and not others
- compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials
- describe magnets as having 2 poles
- predict whether 2 magnets will attract or repel each other, depending on which poles are facing



## Key Vocabulary

attract	repel
compass	pole
contact	non-contact
force	magnet
magnetic	non-magnetic
magnetic North	

Questions I want to Investigate now ...