

Forces and Magnets

Physics

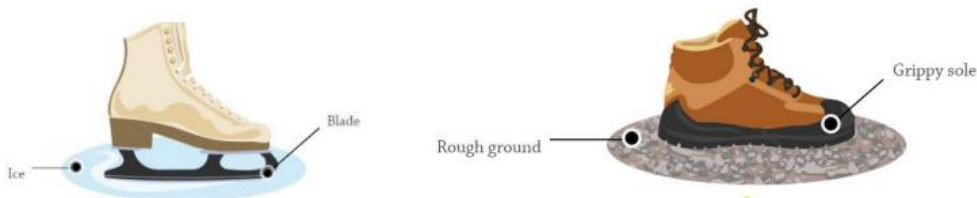
I should already know:

- How the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.

Forces: A force is a push or pull on an object. It can cause something

- to speed up
- slow down
- change shape
- change direction

Friction: the action of one surface or object rubbing against another. Smooth surfaces have less friction than bumpy surfaces.

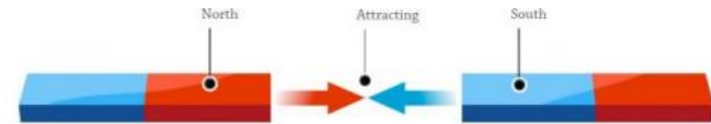


Magnetism: an invisible force that uses magnets to pull or push things at a distance

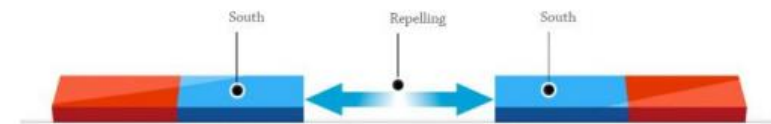
Magnets have 2 poles



Opposites **attract** (a force that pulls objects together)



Same poles **repel** (a force that pushes objects away)



Magnetic: Objects that are attracted (pulled) by magnets are said to be magnetic.

Non-magnetic Objects that are repelled (not pulled) by magnets are said to be non-magnetic.

Iron

Nickel

