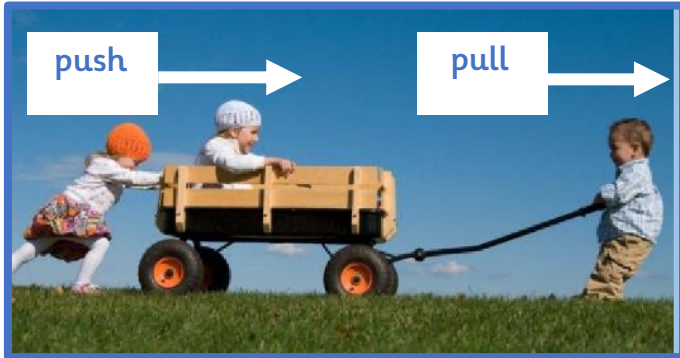


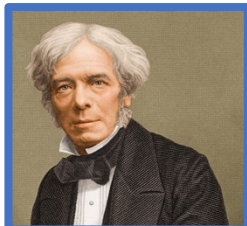
Y3 Science: Forces & Magnets

A **force** can be a **push** or a **pull**.



When an object moves on a surface, the texture of the surface and the object affect how it moves (**friction**).

Michael Faraday
1791-1867
- invented the electric motor using magnets and wires.



Magnetism is a **non-contact force** (it can work at a distance)

A **magnet** attracts objects with **iron** and **nickel** in them (**magnetic material**).



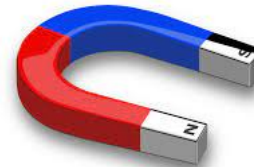
Button magnet



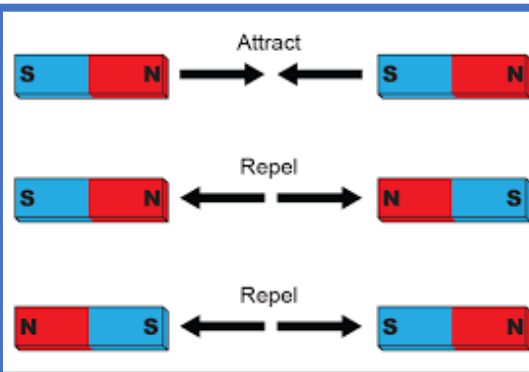
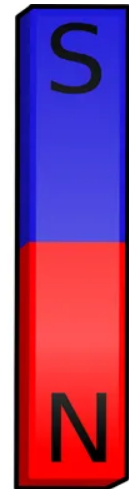
Ring magnet



Horseshoe magnet



Bar magnet



Magnets have two **poles**: **north** and **south**. These are the strongest parts of the magnet.

Attract = pull together
Repel = push apart