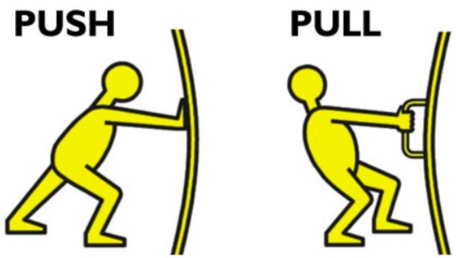
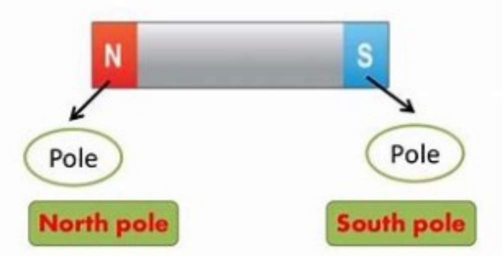
Year: 3
Term: Spring 1
Topic: Physics – Forces and magnets

St Dennis Primary Academy

"Everyone matters, everyone succeeds, every moment counts"

A force is a push or pull that acts upon an object. We can't see forces, but they are an important part of our everyday lives. When we push or pull objects, we can move the object, change the object's shape, or make the object change direction.

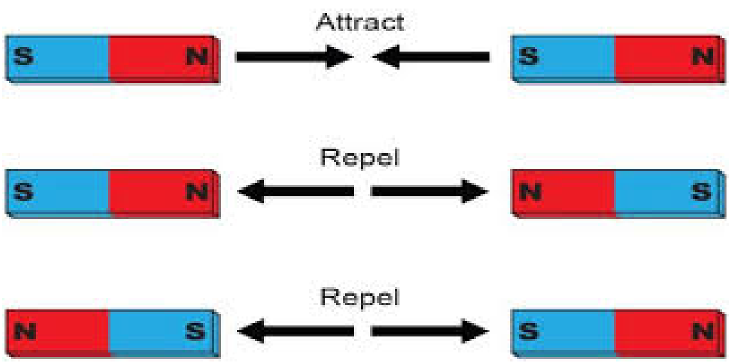




Magnets are usually made from iron. They can **attract** and **repel** other objects with their magnetic forces. **Magnetic forces** act at a distance meaning that a magnet does not need to be in contact with another object for the magnetic forces to act. Magnets always have a **north and south pole.**

Same poles repel If you try to put two magnets together with the same poles pointing towards one another, the magnets will push away from each other. We say they repel each other.

Different poles attract If you put two magnets together with different poles pointing towards one another, the magnets will pull towards each other. We say they attract each other.



Glossary

attract	Pull towards.
contact	Touching.
force	A push, pull, twist or turn caused when two objects interact with each other.
iron	A metal that can be made into a magnet.
magnet	An object or device that attracts iron or another magnetic material.
magnetic	Attracted to a magnet.
non-contact	Not touching.
non-magnetic	Not attracted to a magnet.
north and south pole	The two ends of a magnet that have opposite magnetic fields.
repel	To push backwards.

There are many different types of magnets.