

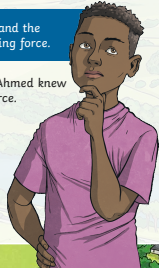
## Different Forces

Seeing Meena's toy trains got Ahmed thinking about the different ways they could be moved.

Meena's ride-on train needed contact between her feet and the ground in order to move. Ahmed knew this was a pushing force.

Another toy train had a piece of string attached to it. Ahmed knew that to make that train move, you applied a pulling force.

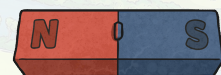
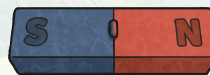
Ahmed knew that to apply pushing and pulling forces, you have to make contact with the item.



## Magnetic Forces

Unlike pushing and pulling forces, magnetic forces can work without contact being made.

Each end of a magnet is known as a pole. There is a north pole and a south pole.



## Magnetic Forces

Opposite poles attract. So the north pole of one magnet will be attracted to the south pole of another one.

If you put two magnets close enough to each other, the force will pull them together without you actually putting them together.



## Magnetic Forces

If you try to put poles of the same type together, they will push away from each other. This is called repelling.

So a north pole will repel another north pole. This was why Meena couldn't get her two carriages to go together. The first carriage moved away from the second because of the repelling magnetic force even though they weren't touching.

