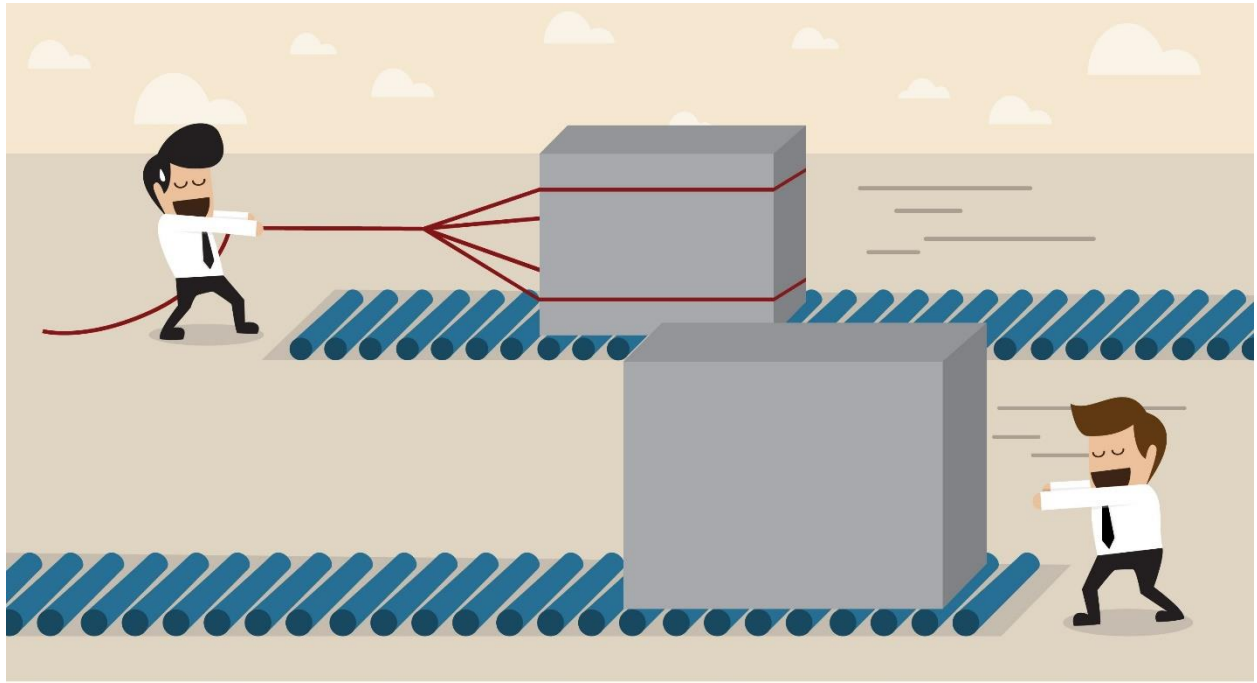


Primary Science: Force Push and Pull



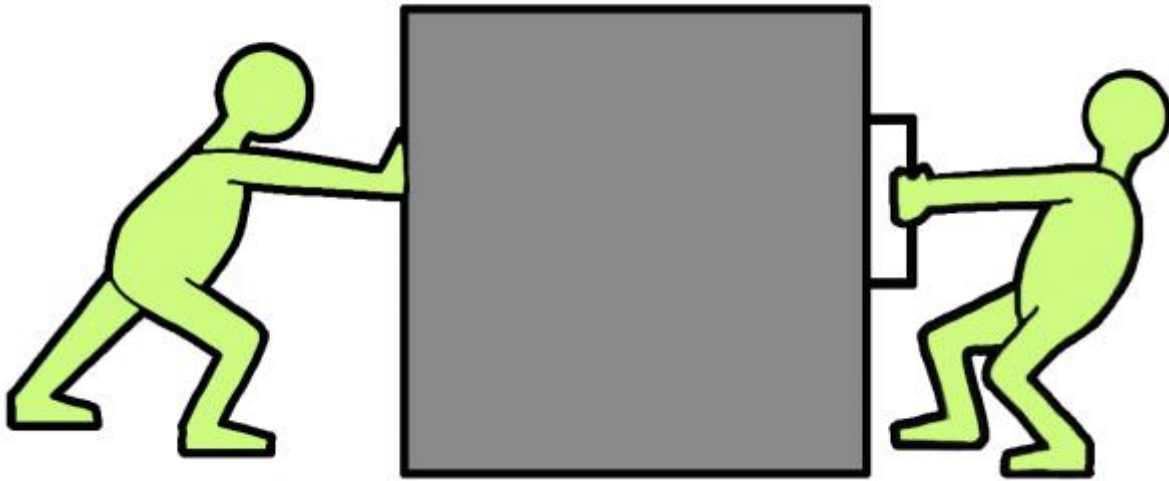
Everything around us and in the universe is controlled by force. Things like walking, running, and even planets moving around in space is because of force!

A force is a push or a pull that makes something move or even turn around. When we are pushing something, like a swing, the force gets bigger when you push harder and harder.

Like a ball, if you kick it hard enough, it will go far. If you kick the ball softly, it won't go far. The same thing happens when you pull something. The more force, the higher results.



Primary Science: Force Push and Pull



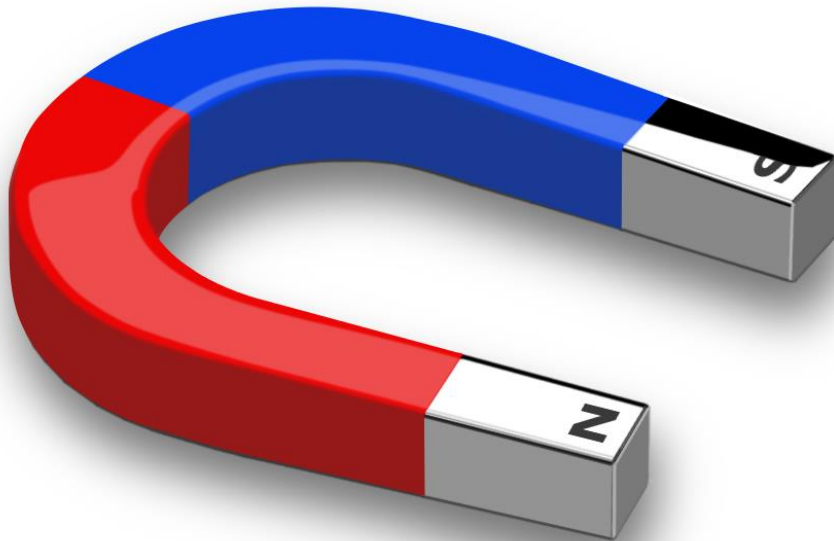
When the two forces, push and pull, work together on something, then their combined efforts will make the force bigger, or it will actually cancel the force altogether!

If in the same direction, they can make the force bigger. If the work in opposite directions, they will cancel each other out with very little results. If the forces are equal in strength, and in opposite directions, the object won't move!

We can measure force in Newtons. There are many other things that can contribute to force.



Primary Science: Force Push and Pull



Any kind of force is really just a push or pull action. Think about magnets, what do they do? They pull metal towards them. Magnetism is a force.

Gravity is what keeps us on the ground! If you think about it, gravity is pulling us down to the Earth. Gravity is a force too!

Another type of force is pressure, and this is when you push hard on something. Think about walking in the snow, if you push your foot into the ground, what do you leave behind? What other examples of force can you think of?



Primary Science: Force Push and Pull

Answer the questions.

What is force?

What does it do?

What happens if forces are equal but in
opposite direction?



Primary Science: Force Push and Pull

Answer the questions.

What happens if forces are in the same direction?

Give some examples of forces.

