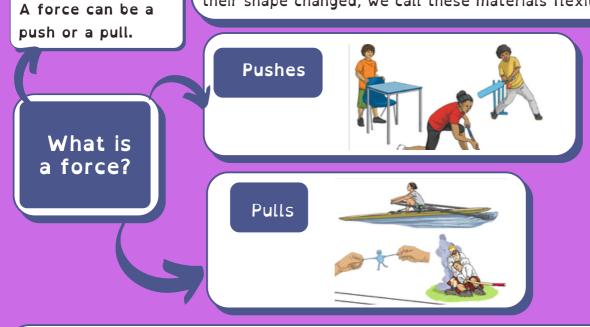


#### May the Force be with you - Year 3 Term 3

In KS1 we learned that, metal comes from rocks from underground. Rocks are heated to get the metal out of them. The shapes of solid objects can be changed by squashing, bending, twisting and stretching. The feel of a material is its texture. People choose materials because of their properties. Some materials can have their shape changed, we call these materials flexible.

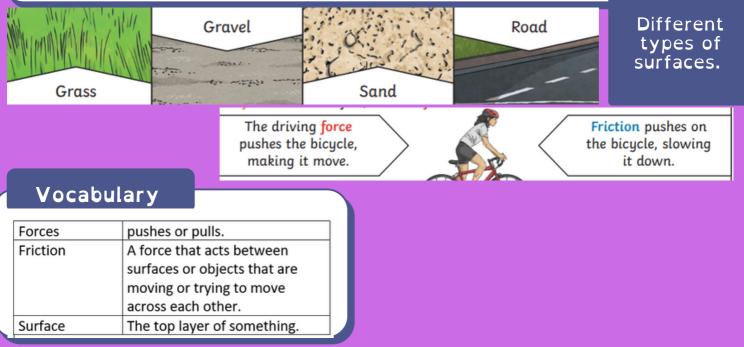


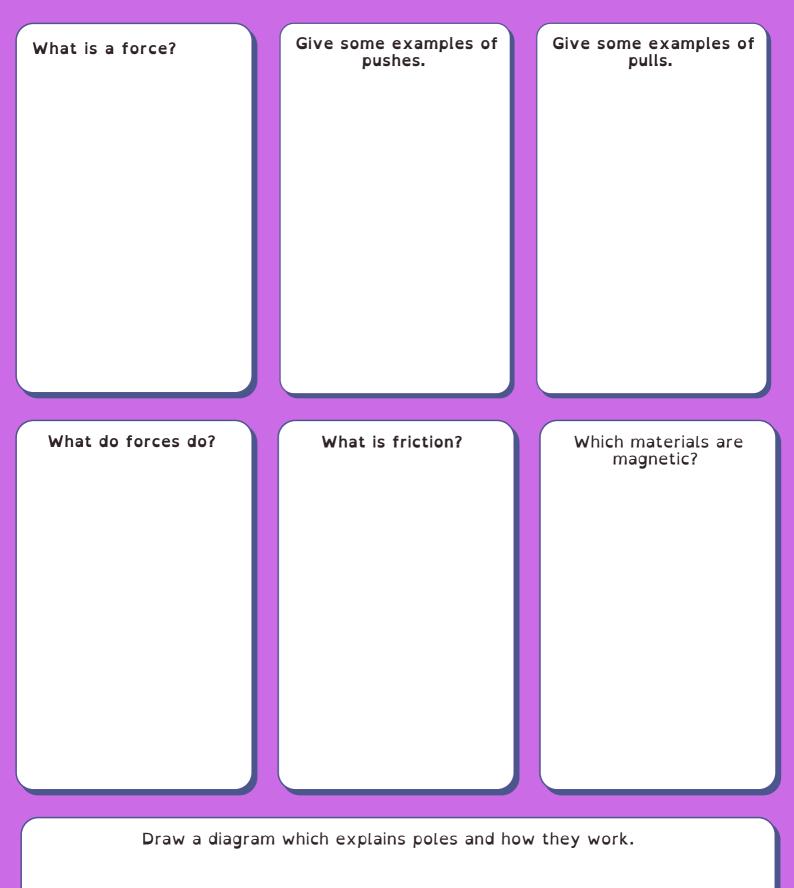
### What do forces do?

Forces will change the motion of an object. They will make it start, speed up or slow down or even make it stop.

# What is friction?

Different surfaces will create different levels of friction. The amount of friction created depends on the roughness of a surface and the object and the force between them.



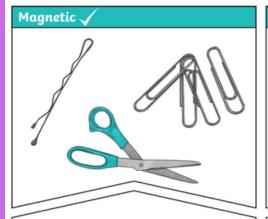


#### Science



act.

# Which materials are magnetic?



These objects contain iron, nickel or cobalt. Not all metals are magnetic.

#### Non-magnetic 🗙



These objects do not contain iron, nickel or cobalt.

# What is a magnetic field?

A magnetic field is invisible. You can see the magnetic here field in the picture below. This is what happens when iron filings are placed on top of a piece of paper with a magnet underneath.

## Vocabulary

magnetic	Objects which are <b>attracted</b> to a <b>magnet</b> are <b>magnetic</b> . Objects containing iron, nickel or cobalt metals are <b>magnetic</b> .	Which magnets repel and attract?
magnetic field	The area around a magnet where there is a magnetic force which will pull magnetic objects towards the magnet.	
poles	North and south <b>poles</b> are found at different ends of a magnet.	Like poles repel. Opposite poles attrac
repel	<b>Repulsion</b> is a <b>force</b> that pushes objects away. For example, when a north <b>pole</b> is placed near the	Which materials are magnetic?
	north <b>pole</b> of another <b>magnet</b> , the two <b>poles repel</b> (push away from each other).	The most common magnetic metals are iron, nickel, cobalt.
attract	Attraction is a force that pulls objects together. For example, when a north pole is placed near the	
	south pole of another magnet, the two poles attract (pull together).	