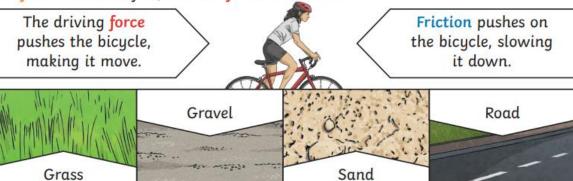
## **FORCES – WOODPECKER CLASS**

## Key Knowledge

Different surfaces create different amounts of friction. The amount of friction created by an object moving over a surface depends on the roughness of the surface and the object, and the force between them.



## Like poles repel. Opposite poles attract. A magnetic field is invisible. You can see the magnetic field here though. This is what happens when iron filings are placed on top of a piece of paper with a magnet underneath.

Key Vocabulary	
force	a push or a pull
friction	a force that acts between 2
	surfaces or objects that are
	moving, or trying to move,
	across each other.
surface	the top layer of something
gravity	a force that pulls towards the
	centre of the earth.
magnet	an object which produces a
	magnetic force that pulls
	certain objects towards it
magnetic	objects that are attracted to a
	magnet are magnetic. Objects
	such as iron, nickel, or cobalt
	metals are magnetic.
Magnetic	The area around a magnet
field	where there is a magnetic
	force. It will pull magnetic
	objects towards the magnet.
poles	North and South poles are
	found at opposite ends of a
	magnet.
repel	repulsion is a force that pushes
	objects away.
attract	attraction is a force that pulls
	objects together.

## Links to previous learning:

- Materials and their properties
- Electricity making switches

Forces will change the motion of an object.

They will either make it start to move, speed up, slow it down or even make it stop.