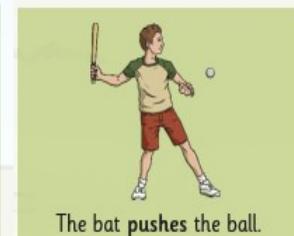
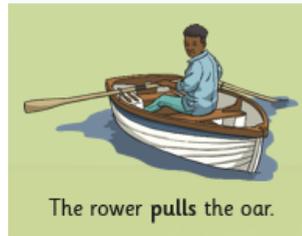


What are forces and magnets?

Vocabulary	Definition
Force	A force is a push or pull acting on an object. Forces can make objects speed up, slow down, stop or start moving.
Push	A force which causes an object to move away from someone/something.
Pull	A Force which causes a object to move towards you.
Friction	A force between 2 surfaces that are sliding or trying to slide across each other. Friction works in the opposite direction to which the object is moving.
Magnet	A material or object that attracts or repels objects.
Attract	To pull towards.
Repel	To push away.
Magnetic	Magnets have two poles (sides) one side is North and the other is South.
Magnetic field	The area around a magnet where there is a magnetic force.

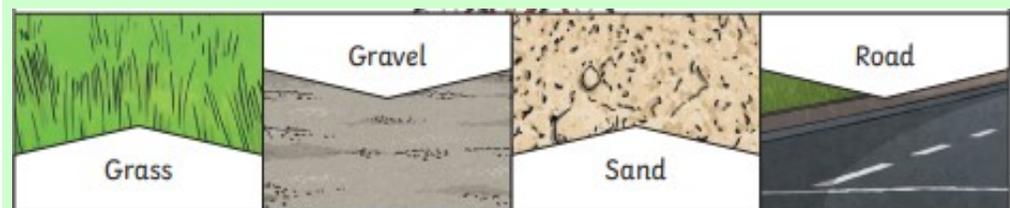
What is a force and how do we know if a force is

A force is a **push** or **pull** acting upon an object. We cannot see forces but we can see movement. Which may make objects speed up, slow down, stop or start moving..



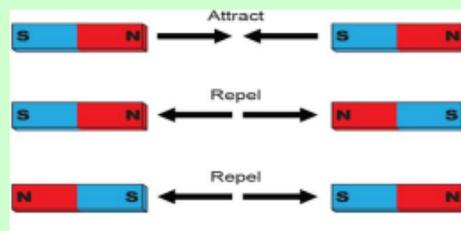
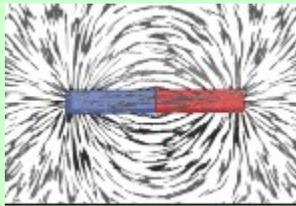
How do objects move on different surfaces?

Friction is a force between 2 surfaces that are sliding or trying to slide across each other. The amount of friction created by an object moving over a surface depends on the roughness of the surface. For example there would be more friction on gravel than a cyclist than there would be on a smooth road.



What is a magnet? How do magnetic forces work?

Magnets are objects or materials that produce a **magnetic field** and **attract** or **repel** magnetic objects. Magnets have 2 poles: north and south. If you put magnets towards each other they will either attract or repel



Are all materials magnetic?

Magnetic ✓



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

Non-magnetic ✗



These objects do not contain iron, nickel or cobalt.