

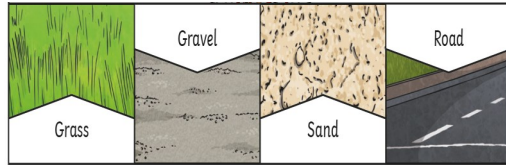
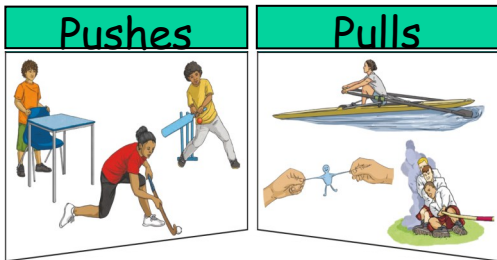
Meadows First School Knowledge Organiser

SCIENCE

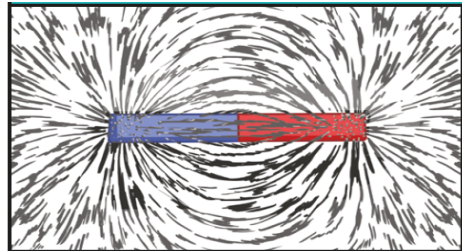
Year 3 Autumn 2 Focus: Forces and Magnets

Key Knowledge

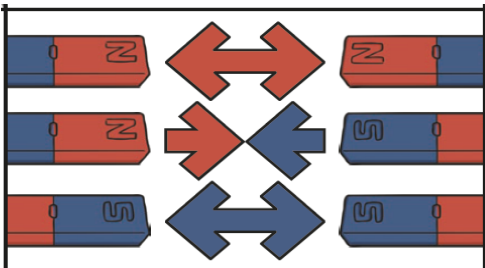
I know that **forces** will change the motion of an object. Making it slow down, speed up or even stop.



I know that different **surfaces** create different amounts of **friction** depending on how rough they are.



I know that **magnets** produce an area of force called a **magnetic field** and that this **force** can push and pull without touching certain objects.

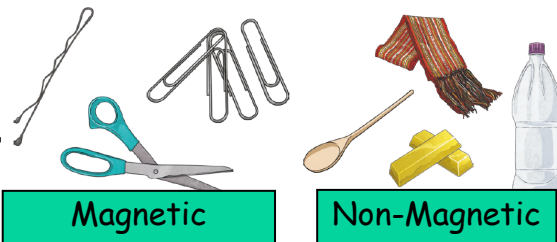


I know that opposite ends of a **magnet** are called the north and south **pole**.

I know that opposite **poles** attract and similar **poles** repel each other.

I can group materials on the basis of whether or not they are **magnetic**.

I know that **magnetic** materials contain iron, nickel and cobalt.



Key Vocabulary

Forces	Pushes or pulls.
Friction	A force that acts between two surfaces that move across each other.
Surface	The top layer of something.
Magnet	Something that pulls certain objects towards it
Magnetic	Objects that are attracted to a magnet. That often contain iron, nickel or cobalt.
Poles	North and south poles are found at different ends of a magnet.
Repel	When an object is pushed away.
Attract	When an object is pulled closer.

Working Scientifically

I can predict whether two magnets will attract or repel each other.

I can observe how magnets attract and repel some materials and not others.

I can compare how materials move on different surfaces.

Books, Internet Sites and Places to Visit.

