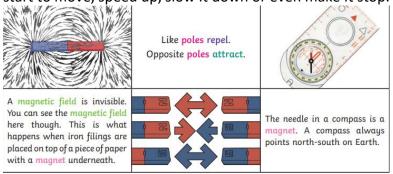


Year 3 Science Spr 1 Topic: Forces and

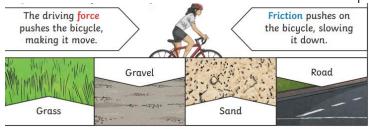
Key Facts

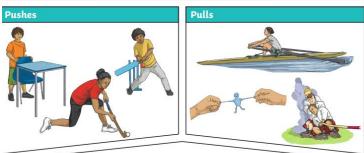
Different surfaces create different amounts of friction. The amount of friction created by an object moving over a surface depends on the roughness of the surface and the object, and the force between them.

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



Diagram/Investigations





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.

Set up simple practical enquiries and fair tests.

Magnets

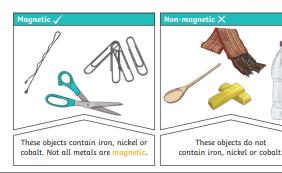
Use results to draw simple conclusions, make predictions for new values, suggest Improvements and raise further questions.

Key Learning:

Magnets can attract, repel each other and have two poles. Magnets can attract some materials and not others.

Predict whether two magnets will attract or repel each other based on which poles are facing.

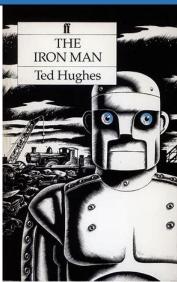
Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet.



Following on from Year 2:

What are pushes and pulls?
How can we control speed and direction of an object? Can pushes and pulls change the shape of objects?

Books to support/ Enrichment Opportunities:



Subject Specific Vocabulary			
Key word	Definition		
Forces	Pushes or Pulls		
Friction	A force that acts between two surfaces or objects that are moving, or trying to move, across each other		
Surface	The top layer of something.		
Magnet	An object that produces a magnetic force that pulls certain objects towards it.		
Magnetic	Objects which are attracted to a magnet are magnetic. Objects containing iron, nickel or cobalt metals are magnetic.		
Magnetic Field	The area around a magnet where there is a magnetic force which will pull magnetic objects towards a magnet.		
Poles	North and south poles are found at different ends of the magnet.		
Repel	Repulsion is a force that pushes objects away.		
Attract	Attraction is a force that pulls objects together.		