

Vocabulary

Forces—pushes and pulls

Friction— a force that acts between two surfaces or objects that are moving or trying to move across each other.

Magnet—an object that produces a magnetic force.

Magnetic field—the area around a magnet where there is a magnetic force.

Poles- North and South poles are found at different ends of the magnet

Repel - repulsion is a force that pushes objects away

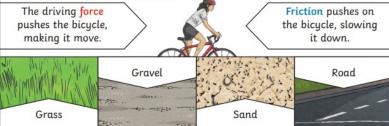
Attract — Attraction is a force that pulls objects together.

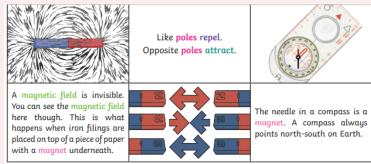
Key questions

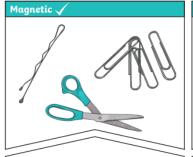
reduced?

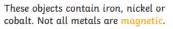
Different surfaces create different amounts of friction. The amount of friction created by an object moving over a surface depends on the roughness of the

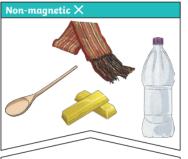
Forces and Magnets.







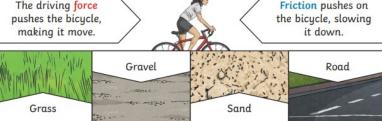


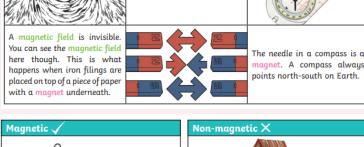


These objects do not contain iron, nickel or cobalt.

Key Knowledge

surface and the object, and the force between them.





Skills

Plan—Ask relevant questions

Set up simple practical enquiries

Observe—Make systematic and careful observations

Record—Gather, record, classify and present data

Record findings using scientific language, drawings and charts

Identify differences and similarities

Common misconceptions.

the bigger the magnet the stronger it is all metals are magnetic.



Key outcomes

Be able to

Compare how things move on different surfaces

Notice that some forces need two objects to be touching but that magnets can act if they are not

Observe how magnets attract and repel some materials

Compare and group everyday materials according to whether they are attracted to a magnet

Identify some magnetic materials

Which metals are attracted to magnets?

Which surfaces cause the most friction?

How can friction between surfaces be