

Prior Knowledge

You will have learned in Year 1 in the properties of materials and the difference between natural and man-made materials
In Year 2 you will have learned more about materials and tested some of their properties.

Key Vocabulary:

attract		to pull towards	magnetism		the force of a magnet
compass		an instrument which shows direction	motion		the process of movement
force		a power or strength that can cause an object to move	non-contact force		a force that occurs without objects touching each other
friction		the force that pulls backwards when objects rub against each other	orienteering		a sport where you have to find your way across a route with the aid of a map and compass
magnet		an object that can pull some metal items towards it	repel		to force back or push away
magnetic field		the force that surrounds a magnet and attracts magnetic objects	texture		the feel or look of a surface

Key learning: What are forces?



Week 1. Explore contact and non-contact forces

What are contact and non-contact forces?



Week 4: Explore the properties of magnets and everyday objects that are magnetic

What kind of materials are magnetic?



Week 2: Compare how things move on different surfaces

How do different surfaces affect friction?



Week 5: Understand that magnetic forces can act at a distance

How do magnetic forces affect objects over a distance?



Week 3: Explore different types of magnets

What do the same poles on magnets do?

What do the opposite poles on magnets do?



Week 6: Explore the everyday uses of magnets

How are magnets used in everyday life?

Next Steps

In Year 4 you will learn more physics when we learn about electricity.