

Year 1 Science Knowledge Organiser – Pushes and Pulls

Big Question: How can pushes and pulls change the motion of objects?

Push – is when you use a force to move an object away from you.

Pull – is when you use a force to move an object towards you.

Motion – is when something is moving.

Cause – someone or something that causes something to happen.

Effect: an event that happens because of a cause.

Gravity – is a force that pulls objects towards earth.

You don't need to touch something for it to move. Water, wind, and gravity move objects without people touching them.



You can't see air, but it is pushing this kite into the sky.



Water can push things from one place to the other. Waves push shells onto a beach.



The girl is kicking the ball with her foot. Her kick pushes the ball up. Gravity pulls the ball down.

The stronger a push or pull, the more movement is caused.

The surface affects the amount of movement.

The type of push or pull affects how objects move and change direction.

Objects can move up or down, to the left or right or diagonally.

Objects change direction when they hit other objects.

