

Motion Close-Up



The world in motion

A force can be a **push** or a **pull**.



Are all forces the same?

Objects need energy to move.

From one place to another

Forces also have direction.



How does motion change?

An object will keep moving in a straight line unless a new force acts on it.

Let's get going!

Nothing will move without a pushing or pulling force.



Stop!

It takes a force to stop something that is moving.

Faster and slower

Force can change the **distance** and **speed** that an object moves.



When two objects touch

All things move in a straight line unless they are pushed or pulled from a different direction.



Which way will it move?

The way objects **collide**, or bump into each other, decides how their direction changes.



Moving and changing

We can see force changing motion all around us. Some objects start to move faster. Some change direction. Some come to a stop.