

# 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.