



Science Vertical Concepts

3. Changing the movement of an object requires a net force to be acted on it

Nursery

Reception

Year 1

Year 2

Year 3

There is attraction and repulsion between objects that are electrically charged.

Visible light and other forms of radiation can travel through any empty space

Year 4

Year 5

An object on Earth pulls the Earth as much as the Earth pulls the object, but because the Earth's mass is bigger, we observe the motion of the object

The downward force of gravity on an object on the Moon is less than that on the Earth because the Moon has less mass.

Year 6

Year 7/KS3

How quickly an object's motion is changed depends on the force acting and the object's mass. The greater the mass of the object, the longer it takes to speed it up or slow it down (inertia).

