

How can we measure forces?

Skills:

Performing and recording results of water resistance, air resistance and friction.

Key vocabulary:

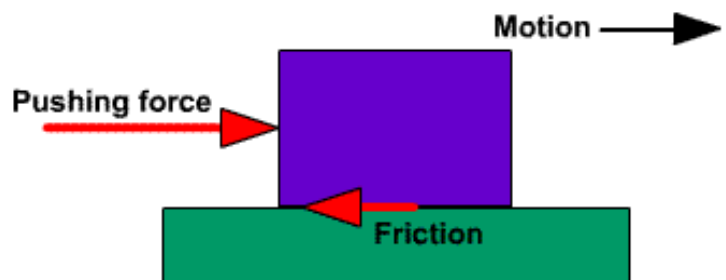
levers	accelerate
pulleys	decelerate
mass	spring
air resistance	gravity
water resistance	mechanisms
friction	variables
surface	newton

Must—know knowledge:

- Know that unsupported objects fall towards the earth because of the force of gravity.
- Identify the effects of air resistance, water resistance and friction, that act between moving surfaces.
- Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to

Working Scientifically:

- Plan and perform fair tests
- Record and present results
- Analyse and draw logical conclusions from results



Experiments

- Identify how different surfaces affect the speed of a moving object (friction).
- Explore how air resistance affects moving objects.
- Explore how water resistance affects moving objects.

