

Open Awards Qualification Unit



This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Forces in Action
Unit Reference Number:	D/615/6303
Level:	1
Credit Value:	3
Minimum GLH:	27

2 Learning Outcomes and Criteria

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Know about forces	1.1 Describe forces in terms of pushes/pulls, stretching/squashing, friction and resistance
	1.2 Demonstrate using force arrows in diagrams including showing unbalanced forces
	1.3 Describe a moment as the turning force
	1.4 Predict the movement/lack of movement in terms of balanced and unbalanced forces
	1.5 State that forces are measured in Units
	1.6 Give examples of non-contact forces/fields, including: a) Gravity b) Magnetic c) Electrostatic
2. Be able to calculate speeds and acceleration speeds	2.1 Use the formula $\text{speed} = \text{distance} / \text{time}$ to calculate speeds
	2.2 Describe acceleration as unbalanced forces
	2.3 Calculate the speed of acceleration for a given movement
	2.4 Identify key moments on a distance time graph

	2.5	Define the term relative motion
3. Know about pressure in solids, liquids and gases	3.1	Outline what can affect the pressure in a) Solids b) Liquids c) Gases
	3.2	Outline what is meant by the term atmospheric pressure