

Qualification Unit

This unit forms part of a regulated qualification.

Unit Title: Electricity and Magnets

Unit Reference Number: R/618/3224

Level: Level Two

Credit Value: Three (3)

Minimum Guided Learning Hours: 24

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Understand electricity	1.1 Define electrical energy as energy possessed by moving electrons
	1.2 Draw circuit diagrams using common circuit symbols
	1.3 Construct basic series and parallel circuits
	1.4 Illustrate how current and voltage behave in series and parallel circuits
	1.5 Measure current and voltage in low voltage circuits
	1.6 Describe the effect of changing resistance on the currents in circuits
	1.7 Determine the correct value fuse for a piece of equipment
2. Know about magnets	2.1 Describe the interaction between poles of magnets
	2.2 Describe the effect of current passing through a conductor on its magnetism
	2.3 Show magnetic fields using a compass of: <ul style="list-style-type: none"> a) Permanent magnets b) Induced magnets c) The earth's magnetic field