

Open Awards Qualification Unit



This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Using Magnets and Electricity
Unit Reference Number:	A/615/6292
Level:	1
Credit Value:	3
Minimum GLH:	26

2 Learning Outcomes and Criteria

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Know about magnets	1.1 Outline the magnetic effects of electric currents
	1.2 Give a definition for a magnetic field
	1.3 Show the magnetic fields, using a compass, of <ol style="list-style-type: none">Permanent magnetsInduced magnetsThe Earth's magnetic fields
	1.4 Identify magnetic poles and predict attraction and repulsion
	1.5 Create an electromagnet
2. Know about simple circuits	2.1 Create a simple circuit
	2.2 Outline the affects on a simple circuit of: <ol style="list-style-type: none">Changing the voltageChanging the currentChanging the resistance
	2.3 Calculate resistance using measurements of potential difference and current
	2.4 Calculate the quantity of charge flowing as the product of current and time

	2.5 Draw a circuit diagram, including symbols for main components
	2.6 Give a simple description of static electricity
3. Understand how a plug is wired	3.1 Identify the live, neutral and earth wires in a plug
	3.2 Outline the purpose of each wire