

Open Awards Qualification Unit



This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Energy
Unit Reference Number:	M/650/3389
Level:	Entry Level Three
Credit Value:	3
Minimum GLH:	30

2 Learning Outcomes and Criteria

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Know the main energy resources available in the environment	1.1 Identify a range of renewable and non-renewable types and sources of energy in the environment
2. Know how energy is captured and stored	2.1 State how energy is captured from: <ul style="list-style-type: none">• Renewable sources• Non-renewable sources• Nuclear sources
	2.2 State how energy from a range of sources is stored for later use
	2.3 State how stored energy is introduced into the power supply
3. Know the changes involved in the way energy is stored when a system changes	3.1 Describe what changes occur in the way energy is stored when: <ul style="list-style-type: none">• objects are projected upwards• objects collide• a moving object slows down• a liquid is heated to boiling point
	3.2 Explain how energy waste occurs when a system changes

4. Know about the concept of “energy efficiency”	4.1 Define “energy efficiency”
	4.2 State how energy can be transferred
	4.3 State how energy may be wasted during transfer
	4.4 Give examples of ways to prevent unwanted energy transfer
5. Know the environmental impact of energy capture, storage, transfer and use	5.1 State the environmental impacts of renewable and non-renewable energy capture and production
	5.2 State the environmental impacts of energy use and wastage
	5.3 State how energy use and waste can be reduced