

Open Awards Qualification Unit



This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Energy
Unit Reference Number:	K/650/3558
Level:	Entry Level Two
Credit Value:	3
Minimum GLH:	30

2 Learning Outcomes and Criteria

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Know about energy sources available in the environment	1.1 Identify types of energy sources found in the local environment
	1.2 State what the terms: <ul style="list-style-type: none">• Renewable• Non-renewable mean in the context of energy
	1.3 Identify two sources of energy which are: <ul style="list-style-type: none">• Renewable• Non-renewable
2. Know how energy can be captured and stored	2.1 Explain how renewable energy can be captured and stored
	2.2 Identify how non-renewable energy can be captured and stored
	2.3 Explain how nuclear power can be captured and stored
	2.4 Explain how stored energy from a range of sources is introduced into the power supply

<p>3. Know about what happens to the way energy is stored when a system changes</p>	<p>3.1 Give examples of changes in the way energy is stored occur when:</p> <ul style="list-style-type: none"> • Objects are projected upwards • Objects collide • A moving object slows down • A liquid is heated to boiling point
<p>4. Know what energy efficiency is</p>	<p>3.2 Give an example of how energy is wasted when a system changes</p> <hr/> <p>4.1 State what energy efficiency means</p> <hr/> <p>4.2 Explain how energy is transferred</p> <hr/> <p>4.3 Identify how energy is wasted during transfer</p> <hr/> <p>4.4 State one way to prevent unwanted energy transfer and waste</p>
<p>5. Know about the environmental impacts of energy creation/capture, storage, transfer and use</p>	<p>5.1 Give examples of the environmental impacts of:</p> <ul style="list-style-type: none"> • energy capture/creation • storage • transfer • use and wastage <hr/> <p>5.2 Give ways that energy use and waste can be reduced</p>