

## Carbon Awareness and Energy Management Level 1 Training Specification - Awareness

### Specification purpose and aim

Raising awareness and changing behaviour can improve energy efficiency, help lower carbon emissions and reduce costs.

This specification details the minimum knowledge needed to raise an individual's awareness of the impact of energy consumption.

The learner must know:

- What is meant by energy and carbon emissions
- Why monitoring energy consumption is important
- The link between energy consumption and usage of equipment
- The purpose and role of energy reporting
- How to save energy and reduce carbon emissions

Learning Outcomes	Knowledge and Understanding
<p><b>The Learner will:</b></p> <p>1. Understand what is meant by energy and carbon emissions</p>	<p><b>The Learner must know:</b></p> <ul style="list-style-type: none"> <li>• What is meant by energy</li> <li>• What are carbon emissions</li> </ul>
<p><b>The Learner will:</b></p> <p>2. Understand why monitoring energy consumption is important</p>	<p><b>The Learner must know:</b></p> <ul style="list-style-type: none"> <li>• Different sources of energy</li> <li>• How carbon emissions occur in the consumption of energy</li> <li>• How energy consumption is measured</li> <li>• How energy consumption impacts on cost, the environment, carbon emissions and security</li> <li>• How the level of carbon emissions can vary depending on how and when energy is used</li> </ul>
<p><b>The Learner will:</b></p> <p>3. Understand the link between energy consumption and usage of equipment</p>	<p><b>The Learner must know:</b></p> <ul style="list-style-type: none"> <li>• How energy consumption varies depending on the different types of equipment used</li> <li>• How energy consumption changes depending on how equipment is used</li> <li>• How energy saving devices can be used to reduce energy consumption</li> </ul>
<p><b>The Learner will:</b></p> <p>4. Understand the purpose and role of energy reporting</p>	<p><b>The Learner must know:</b></p> <ul style="list-style-type: none"> <li>• What is meant by energy reporting and why it is important</li> <li>• What legal requirements organisations must fulfil with regards to energy reporting</li> <li>• The methods organisations use to report energy consumption</li> <li>• How energy reporting can contribute to reducing energy consumption</li> </ul>

**The Learner will:**

5. Understand how to save energy and reduce carbon emissions

**The Learner must know:**

- How an individual's behaviour impacts on energy use and carbon emissions
- What action can be taken to reduce energy consumption