

Open Awards Qualification Unit



This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Mechanical Engineering Projects
Unit Reference Number:	J/650/3629
Level:	Entry Level Two
Credit Value:	6
Minimum GLH:	50

2 Learning Outcomes and Criteria

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Know about the process involved in mechanical engineering	1.1 Identify a range of simple processes used in mechanical engineering
2. Understand how mechanical engineering processes can be applied to make useful items	2.1 Explain how mechanical engineering is used in the design and development of useful items
	2.2 Explain how mechanical engineering processes and procedures may be adapted to suit different products, materials and environments
3. Be able to participate in mechanical engineering projects to design and develop a useful item	3.1 Contribute to the design of an item of use
	3.2 Agree the final design with others
	3.3 Work with others to develop a useful product from an agreed design
	3.4 Contribute to decisions about materials and processes to make a given item
	3.5 Work with others to create a prototype for a given item
	3.6 Discuss with others how the design of the prototype may be improved in the final item

<p>4. Be able to take part in mechanical engineering projects to make a useful product</p>	<p>4.1 Work with others to produce a serviceable everyday item</p> <hr/> <p>4.2 Follow instructions and directions when working with others</p> <hr/> <p>4.3 Work safely with others in mechanical engineering projects</p> <hr/> <p>4.4 Present a useful item</p>
<p>5. Be able to work safely during mechanical engineering projects</p>	<p>5.1 Demonstrate safe use of:</p> <ul style="list-style-type: none"> • tools and equipment • materials and resources <p>during mechanical engineering projects</p> <hr/> <p>5.2 Follow procedures and instructions during electrical mechanical projects</p>