

Open Awards Qualification Unit



This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Electrical Circuits
Unit Reference Number:	K/650/3366
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 about electrical circuits	1.1 Describe the structure and function of an electrical circuit
	1.2 State the requirements for a working electrical circuit to power small devices
2. Know how electricity can be generated from everyday objects, including batteries	2.1 Say how a circuit should be constructed to power a device with batteries
	2.2 Explain how small devices can be powered using fruit and vegetables in place of batteries
	2.3 State the materials required for powering small devices with fruit and vegetables
3. Be able to wire a functioning electrical circuit to power small devices	3.1 Wire a circuit to power small electrical devices
	3.2 Investigate the energy transfer delay of different circuit layouts
4. Be able to make a functioning clock powered by fruit and vegetables	4.1 Design a circuit for a functioning clock powered by fruit and vegetables
	4.2 Make a functioning clock powered by fruit and vegetables

4.3 Investigate the most effective fruit and vegetables for powering small devices