

Open Awards Qualification Unit



This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Reproduction and Genetics
Unit Reference Number:	K/650/3421
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 reproduction in the natural world	1.1 State how animals, including humans, reproduce
	1.2 State how asexual reproduction happens
2. Know about the role of genetic material in reproduction	2.1 State the role of the nucleus and cytoplasm in cells
	2.2 Outline the role of cytoplasm in plant and animal cells
	2.3 Outline the role of chromosomes in determining the characteristics of plants and animals
3. Know about natural and selective breeding	3.1 Give examples of natural and selective breeding in the animal kingdom
	3.2 Give examples of the benefits and drawbacks of selective breeding
4. Know about genetic engineering	4.1 Define the term "genetic engineering"
	4.2 Outline the basic process for genetic engineering
	4.3 State the potential benefits and drawbacks of genetic engineering

4.4 State how genetic engineering may be used in selective breeding programmes for animals