Unit Title: Applied Biology
Level: Three
Credit Value: 9
GLH:
NOCN Unit Code: RH3/3/TE/023
QCA Unit Reference
Grading Descriptors: 1, 7

This unit has 7 learning outcomes.

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
1. Understand the relationship between anatomy and function	1.1. Relate the gross structure of an animal or plant to its function as a living organism
2. Understand the nature of cells and tissues	2.1. Describe the main components of a cell 2.2. Describe the exchange mechanisms that exist within the immediate environment to maintain homeostasis 2.3. Describe how the cells combine to form tissues with specific functions
3. Understand plant structure and function	3.1. Describe the primary structure of roots and shoots 3.2. Describe the uptake of water and nutrients 3.3. Explain the importance and biochemistry of photosynthesis
4. Investigate the cardio-respiratory system	4.1. Investigate the main features of the cardio-respiratory system 4.2. Explain the mechanisms of gaseous exchange and transport 4.3. Describe the control of the cardio-respiratory system
5. Relate the structure of the reproductive system to function	5.1. Investigate the structure and functions of the reproductive system 5.2. Investigate gametogenesis 5.3. Analyse the role of the gonad as an endocrine gland
6. Understand the neural and chemical co-ordination	6.1. Describe the organisation of the endocrine and nervous systems in animals 6.2. Evaluate the role of control mechanisms 6.3. Evaluate response and co-ordination mechanisms in plants

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LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	**The learner can:**
7. Investigate defence mechanisms	7.1. Differentiate between primary and secondary defence mechanisms 7.2. Describe the response of the animal body to disease

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ASSESSMENT INFORMATION

Guidance:
This grid gives details of the assessment activities to be used with the unit attached. Please refer to the NOCN Handbook for definitions of each activity and the expectations for assessment practice and evidence for moderation.

The assessment activities for this unit are indicated in the table below:
Key: **P = Prescribed** – this assessment method *must* be used to assess the unit.
O = Optional – this assessment method *could* be used to assess the unit.

Case study		**Project**	
Written question & answer/test/exam		**Role play/simulation**	
Essay		**Practical demonstration**	
Report		**Group discussion**	
Oral question and answer		**Performance/exhibition**	
Written description		**Production of artefact**	
Reflective log / diary		**Practice file**	

Signposting Key Skills

This unit offers clear opportunities for learners to provide evidence of achievement in Key Skills achievement in the following skill area/s:

Key Skill		**Wider Key Skill**	
Communication		Working with others	
Information Technology		Problem solving	
Application of Number		Improving Own Learning and Performance	

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Accredited Start date:
Accredited End date:
Unit Sector/Subject area:
Grading descriptors:
Availability for Use:

Purpose and Aim of the Unit	**Free Text**
Restrictions on the Availability	**Free Text or N/A**
Additional Assessment Requirements	**Free Text or N/A**
Details of relationship between the Unit and the NOS	**Free Text or N/A**
Details of relationship between the Unit and Standards (not NOS)	**Free Text or N/A**
Endorsement of the Unit by	**Free Text or N/A**