

## Access to Higher Education Unit

This unit forms part of an Access to HE Diploma. This is a developmental unit so is only available as ungraded.

**Unit Title:** Science: Biological Practical Skills

**Graded Unit Reference Number:**

**Ungraded Unit Reference Number:** UD33DEV31

**Module:** Developmental

**Level:** Three (3)

**Credit Value:** Three (3)

**Minimum Guided Learning Hours:** 30

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Understand the principals involved in the design of a controlled biological investigation	1.1 Define a biological problem or question and produce a testable hypothesis
	1.2 Identify independent, dependent and control variables relating to the problem
	1.3 Plan a practical investigation to test a hypothesis
	1.4 Carry out a risk assessment and identify potential hazards associated with the investigation
2. Carry out practical investigations safely and efficiently	2.1 Complete a biological investigation to obtain a range of relevant, valid results in which anomalies can be identified
	2.2 Demonstrate regard to their own safety and the safety of others
3. Follow conventions in the interpretation of results, formation of conclusions and report writing	3.1 Analyse the results of a biological investigation, using appropriate statistical analysis
	3.2 Represent results using graphs or other appropriate representations
	3.3 Evaluate results and draw valid conclusions

3.4 Evaluate the procedure used and suggest improvements

3.5 Follow established conventions to produce a written report of the investigation