

Unit Title: Mathematics Workshop (Biology)
Level: Three
Credit Value: 6
GLH:
NOCN Unit Code: RB1/3/TE/017
QCA Unit Reference
Grading Descriptor Number(s): 1, 3, 7

This unit has 5 learning outcomes.

LEARNING OUTCOMES	ASSESSMENT CRITERIA
The learner will:	The learner can:
1. Understand measures of central tendency	1.1 Demonstrate the ability to calculate measures of central tendency, e.g. mean, median and mode
2. Understand measures of dispersion	2.1 Use measures of dispersion to solve appropriate problems, e.g. range, interquartile range and standard deviation
3. Understand methods of the visual representation of data	3.1 Plot and interpret, e.g. histograms, dispersion diagrams, bar charts, proportional circles, line graphs, bar graphs, ternary diagrams, log - log graphs, semi-log graphs and kite diagrams from given data
4. Understand correlation techniques	4.1 Use correlation coefficients techniques to solve appropriate problems, e.g. Spearman Rank Correlation Coefficient, Chi-Squared Analysis, Student's t-test and Pearson's Product - moment Correlation Coefficient
5. Understand sampling techniques	5.1 Choose an appropriate sampling method and use it in biological studies, e.g. random sampling, systematic sampling and stratified sampling

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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