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: Use of Number: Data Handling and Probability

Ungraded Unit Reference Number: UD23DEV02

Module: Developmental

Level: Two (2)

Credit Value: Three (3)

Minimum Guided Learning Hours: 30

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):	
1. Understand data and data collection	1.1	Distinguish between qualitative, discrete and continuous data
	1.2	Explain the advantage of grouped data in certain circumstances
	1.3	Extract data from printed tables and lists
	1.4	Design and use data collection sheets, including tally tables, two-way tables and tables for grouped data
	1.5	Explain the term 'bias' and give reasons why it may occur
2. Understand data representation and analysis	2.1	Construct a variety of charts and diagrams to represent data, including scatter graphs, pictograms, bar charts, pie charts, line graphs and frequency polygons
	2.2	Interpret data represented as pictograms, dual bar charts, pie charts, line graphs and histograms with unequal class intervals
	2.3	Use data to calculate mean, median, range, mode and modal class (for grouped data)
3. Understand the principles and everyday	3.1	Describe probabilities qualitatively using terminology to include, "certain", "very likely", "evens", "impossible", etc

	3.2	Represent probabilities using fractions, decimals and percentages
	3.3	Calculate the probabilities of mutually exclusive events and compare these with experimental results
	3.4	Solve problems involving the probabilities of successive mutually exclusive and of successive independent events