

**Unit Title:** Numeracy Knowledge And Understanding  
**Unit Level:** Level 5  
**Unit Credit Value:** 15  
**GLH:** 40  
**LASER Unit Code:** WJB428  
**Ofqual Unit Code:** H/505/0764

This unit has 4 learning outcomes

LEARNING OUTCOMES		ASSESSMENT CRITERIA	
The learner will:		The learner can:	
1.	Understand fundamental attributes of mathematics and numeracy	1.1	Review the historic and cultural development of mathematics
		1.2	Analyse the language and concepts associated with number systems
		1.3	Analyse common errors and misconceptions in mathematics and possible reasons why they occur
		1.4	Analyse the techniques used in mathematics and numeracy for conceptual linkages
2.	Understand the attributes of procedures within mathematics and numeracy	2.1	Analyse the activities, processes and stages within mathematical problems and investigations
		2.2	Evaluate written, mental and diagrammatic mathematical strategies, analysing the associated metalanguage
		2.3	Analyse the use, interpretation and representation of data
		2.4	Evaluate the use of measurement systems within problem solving including: <ul style="list-style-type: none"> <li>• definition;</li> <li>• conversion; and</li> <li>• representation</li> </ul>
3.	Understand how learning theories and the origins and status of mathematics impact on numeracy teaching	3.1	Analyse the effect of the origins and status of mathematics knowledge on mathematics and numeracy curriculum development
		3.2	Analyse how teaching and learning theories underpin numeracy teaching and learning
4.	Understand the links between the roles and perceptions of mathematics and numeracy within society	4.1	Analyse the role of mathematics and numeracy within society
		4.2	Evaluate perceptions of mathematics and numeracy including: <ul style="list-style-type: none"> <li>• popular views;</li> <li>• learner attitudes; and</li> <li>• trends in learner attainment</li> </ul>

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<b>Assessment Guidance:</b>
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NA
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<b>Additional Information:</b>
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NA
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