

## MATHEMATICAL LITERACY - GRADE 12 - 2024

TOPIC	ASSESSMENT STANDARDS	PORTFOLIO ASSESSMENT TASKS
<b>PHASE 1 (13 November 2023 – 8 March 2024)</b>		
<b>Data Handling</b>	Organising data into frequency tables (grouped and ungrouped)	<p><b>Task 1:</b> Investigation 5 – 9 Feb</p> <p><b>Task 2:</b> Controlled Test Data Handling and Finance 21 Feb – 5 Mar</p>
	Mean, median and mode	
	Range, quartiles, sketching and interpretation of box and whisker diagrams	
Pie charts, Histograms, Bar charts, Line graphs and Scatter plot graphs.		
<b>Conversions</b>	Conversion factors: length, area, volume, mass, temperature	
	Metric to imperial and vice versa	
<b>Finance</b>	Tariff systems: various real-life contexts	
	Taxation, UIF, VAT	
	Financial documents	
	Interest: Simple interest, Hire purchase, Compound interest, Loans and investments	
	Income and Expenses: Statements and budgets, Cost and selling price, Break-even analysis	
	Inflation	
	Exchange rates	
<b>PHASE 2 (11 March 2024 – 31 May 2024)</b>		
<b>Probability</b>	Theoretical probability vs Relative frequency	<p><b>Task 3:</b> Assignment – Probability and Measurement 22 – 26 Apr</p> <p><b>Task 4:</b> June Exams 13 – 31 May</p>
	Compound events	
	Tree diagrams	
	Contingency tables	
<b>Measurement</b>	Recap of converting measurements, timetables, transport, production, BMI	
	Perimeter	
	Area	
	Surface area	
	Volume	
<b>Maps and Scales</b>	Different types of scales: Number scale, Bar scale	
	Finding unknown lengths and distances	
	Finding the scale of a given diagram	
	Grid reference and compass direction	
	Different types of maps: Floor plans, National and provincial maps, Strip route maps.	

**PHASE 3 (3 June 2024 – 8 November 2024)**

<b>Models</b>	Solving packaging	<b>Task 5:</b> Assignment: Maps and Scales 22 – 26 July
	Problem solving	
	3D scale models	
	2D pictures	
	Item arrangement	
<b>Revision</b>	Finance	<b>Task 6:</b> Controlled Test Interest, Maps and scales and Models 19 Aug – 06 Sept
	Data Handling	
	Maps & Plans	
	Measurement	
	Probability	
	Models	