# MATHEMATICAL LITERACY - GRADE 11 - 2024

| TOPIC | ASSESSMENT STANDARDS | PORTFOLIO ASSESSMENT TASKS |
|---|---|---|
| **PHASE 1 (13 November 2023 – 8 March 2024)** | | |
| **Data Handling** | Organising data into frequency tables (grouped and ungrouped) | **Task 1:** Investigation 5 – 9 Feb<br><br>**Task 2:** Controlled Test Data Handling and Finance 21 Feb – 5 Mar |
| | Mean, median and mode | |
| | Range, quartiles | |
| | Pie charts, Histograms, Bar charts, Line graphs and Scatter plot graphs. | |
| **Probability** | Probability scale | |
| | Theoretical probability vs Relative frequency | |
| | Tree diagrams | |
| | Contingency tables | |
| **Patterns and relationships** | Different types of relationships | |
| | Equations, tables and graphs | |
| | Sketching and Interpreting of various graphs | |
| | Combination of 2 relationships | |
| | Link to break-even points | |
| **Measurement** | Conversions: length, area, volume, mass, temperature, metric to imperial | |
| | Measuring and estimating: length, distance, mass, volume, temperature | |
| | Perimeter and Area | |
| | Surface area and Volume | |
| **Finance** | Financial documents | |
| | Income and Expenses: Types, Statements and budgets, Cost and selling price, Break-even analysis | |
| **PHASE 2 (11 March 2024 – 31 May 2024)** | | |
| **Finance** | Taxation, UIF, VAT | **Task 3:** Assignment – Taxation and Tariff systems 29 Apr – 3 May<br><br>**Task 4:** June Exams 13 – 31 May |
| | Exchange rates | |
| | Inflation | |
| | Tariff systems: various real-life contexts | |
| | Interest: Simple interest, Hire purchase, Compound interest, Loans and investments, Different types of accounts | |
| **PHASE 3 (3 June 2024 – 8 November 2024)** | | |
| **Maps and Scales** | Different types of scales: Number scale, Bar scale | **Task 5:** Assignment: Maps and Scales 22 – 26 July<br><br>**Task 6:** Controlled Test Interest, Maps and scales and Models 21 Aug – 03 Sept |
| | 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. | |

| Models | Solving packaging | Task 7: End year exams 21 Oct – 8 Nov |
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| | Problem solving | |
| | 3D scale models | |
| | 2D pictures | |
| | Item arrangement | |
| Revision | Finance | |
| | Data Handling | |
| | Maps & Plans | |
| | Measurement | |
| | Probability | |
| | Models | |