

SUGGESTED PLANNING of TEACHING and ASSESSMENT
Grade 11 Mathematical Literacy 2021

TERM 1 46 days	1: W: 2,5 %	2: W: 6,6%	3: W:10,7 %	4: W: 14,8%	5: W: 18,9 %	6: W: 23,1%	7: W: 27,3%	8: W: 31,4%	9: W: 35,5%	10:
CAPS Topic	Measurement		Patterns and Relationships		Working with two relationships	Financial Documents		MAPS, PLANS & OTHER REPRESENTATIONS		REVISION
Concepts, skills and values	<p>Conversions</p> <ul style="list-style-type: none"> - Metric to Imperial - Temperature (°C to °F and vice versa) <p>Time</p> <ul style="list-style-type: none"> - Duration (hours to minutes and vice versa) <p>CAPS: Pg 63,70</p>	<p>Equivalent/proportionality conversions</p> <p>E.g. 5litre paint covers 20m²; 1teaspoon ≈ 5ml</p> <p>CAPS: Pg 32</p>	<ul style="list-style-type: none"> - Constant difference (2 relationships) See: CAPS: Pg 38 - Inverse proportion (2 relationships) See: CAPS: Pg 38 - Constant ratio between consecutive terms See: CAPS: Pg 38 - A combination of any 2 of the above <p>Representations (2 relationships)</p> <ul style="list-style-type: none"> - Equations/Formulae - dependent and independent variables - tables and graphs <p>CAPS: Pg 38 - 43</p>	<p>Use formulae/equations, tables and graphs to:</p> <ul style="list-style-type: none"> -Compare different tariff systems, -Determine break-even point, -Comparing different banking options <p>CAPS: Pg 44 -46</p>	<p>Terminology and calculations of the values on the documents (See list of documents CAPS Pg 49)</p> <p>Income (fixed/variable and occasional):</p> <ul style="list-style-type: none"> - personal income (e.g. salaries, wages and commission) - business income (e.g. sales, donations and grants) <p>Expenditure:</p> <ul style="list-style-type: none"> - Personal expenditure (e.g. living expenses, personal tax, loan repayments) - Business expenditure (e.g. taxes, salaries, running expenses) <p>CAPS: Pg 49</p>	<ul style="list-style-type: none"> • Scales (given and own scale) <ul style="list-style-type: none"> - Number scales - Bar Scales • Maps (directions and point locations): <ul style="list-style-type: none"> - Seating plans - Lay out plan - Street maps - Road and rail maps (national/provincial) - Residential maps <p>CAPS: Pg 73 - 78</p>	Term 1 work			
Requisite pre-knowledge	Revision of Grade 10 - work		Revise grade 10-content		Revise grade 10-content	Revise grade 10-content		Revise grade 10-content		
Resources (other than textbook) to enhance learning	Answer Series Examination Aid Gr 11 Calculators		Answer Series Examination Aid Gr 11		Answer Series Examination Aid Gr 11	Pay slips, Quotations, Invoices, Receipts, Travel allowance claim forms, Banking documents		Answer Series Examination Aid Gr 11		
Informal assessm; remediation	Exercise on measurement		Short tests on equations, tables and graphs			Short tests on tables, graphs and documents				
SBA (Formal Assessment)						ASSIGNMENT		TEST		

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TERM 2 54 days	1: W:38,9 %	2: W: 43,5%	3: W:46,8 %	4: W: 48,1 %	5: W:52,6%	6: 56,2%	7: W:60,3 %	8 - 11	
CAPS Topics	FINANCE		DATA		MEASUREMENT		Internal Tests		
Concepts, skills and values	Interest <ul style="list-style-type: none"> - Loans - Investments - Bank accounts Banking <ul style="list-style-type: none"> - Savings account - Cheque/current account - Fixed deposit account - Credit and debit account - etc. Inflation <ul style="list-style-type: none"> - Calculation - Rate of increase or decrease CAPS: Pg 54 - 58	Data collection: <ul style="list-style-type: none"> - populations and samples, data collection methods and instruments Classify and organise data: <ul style="list-style-type: none"> - Tallies and frequency tables Displaying data: <ul style="list-style-type: none"> - Pie charts, histograms, bar graphs CAPS: Pg 83	Displaying data: <ul style="list-style-type: none"> - Multiple bar graphs - Line and broken line graph - Scatter plots Summarising data: <ul style="list-style-type: none"> - Mean - Median - Mode - Range Analyse data represented by the above averages	Measuring & estimating (not covered in grade 10) <ul style="list-style-type: none"> - Length - Distance - Mass/weight - Volume - Temperature Calculate <ul style="list-style-type: none"> - Perimeter - Area - Volume Integrate probability (not covered in grade 10) CAPS: Pg 64 - 69	Formal Test				
Requisite pre-knowledge	Revise grade 10-content	Revise grade 10-content	Revise grade 10-content	Revise grade 10-content					
Resources (other than textbook) to enhance learning	Answer Series Examination Aid Gr 11 Calculators Banking <ul style="list-style-type: none"> - Saving accounts - Cheque accounts - Fixed deposits - Credit accounts with credit card and debit account with debit card 	Answer Series Examination Aid Gr 11	Answer Series Examination Aid Gr 11	Answer Series Examination Aid Gr 11					Distance <ul style="list-style-type: none"> - Ruler; Tape measure - Scales; Trundle wheels - Odometers Mass/weight <ul style="list-style-type: none"> - Bathroom-, Kitchen scales - Electronic scales Volume <ul style="list-style-type: none"> - Spoons; Cups - Jugs; Bottles - Buckets; Wheel barrows Temperature <ul style="list-style-type: none"> - Thermometer
Informal assessm; remediation	Short tests on income and expenditure	Exercise on mean, median, mode and range		Worksheet on perimeter, area and volume					
SBA (Formal Assessment)				ASSIGNMENT			TEST		

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TERM 3 53 days	1: W:60,3%	2: W: 64,4%	3: W: 68,5%	4: W: 72,6 %	5: 75,9 %	6: W: 80,1%	7: W: 84,2%	8: W: 88,4%	9 - 11	
CAPS Topics	JUNE PAPERS	FINANCE	MAPS, PLANS & OTHER REPRESENTATIONS		Tariff systems		PROBABILITY (not covered in grade 11)		Internal Tests and Revision	
Concepts, skills and values	<ul style="list-style-type: none"> Reflection and Re-teaching of problem areas 	<ul style="list-style-type: none"> Taxation <ul style="list-style-type: none"> - VAT - UIF <p>CAPS: Pg 58</p>	<ul style="list-style-type: none"> Scales (given and own scale) <ul style="list-style-type: none"> - Number scales - Bar Scales Maps (directions and point locations): <ul style="list-style-type: none"> - Elevation maps - Strip charts Building plans <ul style="list-style-type: none"> - Elevation plans - Design drawings <p>CAPS: Pg 73 - 78</p>		Tariff systems: (not covered in grade 10) Municipal tariffs Telephone tariffs Transport tariffs Bank fees Compare two options <ul style="list-style-type: none"> - performing calculations - drawing and interpreting graphs <p>CAPS: Pg 50</p>		<ul style="list-style-type: none"> Simple events <ul style="list-style-type: none"> - Outcome, event and probability scale (revision) - Relative frequency - Theoretical probability <p>CAPS Pg 91 - 95</p>	<ul style="list-style-type: none"> Compound events <ul style="list-style-type: none"> - Tree diagrams - Two-way tables <p>CAPS: Pg 93</p>	Revision: Term 2 work	
Requisite pre-knowledge		Revise grade 10-content	Revise grade 10-content		Revise drawing of graphs		Revise grade 10-content	Revise grade 9-content		
Resources (other than textbook) to enhance learning		Taxation <ul style="list-style-type: none"> - Shop purchases - Till slips Answer Series Examination Aid Gr 11 Calculators	Floor plans elevation and design: <ul style="list-style-type: none"> - Rough & scaled floor/layout plans showing a top view perspective - Maps Answer Series Examination Aid Gr 11		Answer Series Examination Aid Gr 11		<ul style="list-style-type: none"> Coins and Dice Games involving coins and dice Deck of cards Weather reports	Answer Series Examination Aid Gr 11		
Informal assessm; remediation			Short tests on scales and maps				Practical exercise on probability			
SBA (Formal Assessment)						INVESTIGATION			TEST	

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TERM 4 47 days	1: W: 91,7%	2: W:94,9 %	3: W:98,8%	4: 19-23 Oct W: 100 %	5:	10 Nov (Gr 10-11); 16 Nov (Gr 7-9)																				
CAPS Topics	FINANCE		MAPS AND PLANS		REVISION AND CONSOLIDATION	Internal Examinations																				
Concepts, skills and values	<ul style="list-style-type: none"> Cost price and selling price Percentage profit Inflation Exchange rates <p>CAPS: Pg 52</p>	<ul style="list-style-type: none"> Break-even analysis (personal and business finance) <p>CAPS: Pg 53</p>	<ul style="list-style-type: none"> Models Follow instructions, e.g. <ul style="list-style-type: none"> Plugs Plastic models Unassembled wooden furniture Cell phones Electrical appliances Children's toys <p>CAPS: Pg 79 - 80</p>	<ul style="list-style-type: none"> Models <ul style="list-style-type: none"> Packaging <p>CAPS: Pg 79 -80</p>		<p>Notes on or guidelines for final examinations: FINAL EXAMINATION (two papers)</p> <table border="1"> <thead> <tr> <th>PAPER 1</th> <th>PAPER 2</th> </tr> </thead> <tbody> <tr> <td>100 MARKS; 2 HOURS</td> <td>100 MARKS; 2 HOURS</td> </tr> <tr> <td>4 Questions</td> <td>4 Questions</td> </tr> <tr> <td>Question 1 = 20 marks (Level 1)</td> <td>Question 1 = 20 marks (Level 1)</td> </tr> <tr> <td>Question 2, 3 and 4</td> <td>Question 2, 3 and 4</td> </tr> <tr> <td>Level 1 = 10 marks</td> <td>Level 1 = 10 marks</td> </tr> <tr> <td>Level 2 = 30 marks</td> <td>Level 2 = 30 marks</td> </tr> <tr> <td>Level 3 = 20 marks</td> <td>Level 3 = 20 marks</td> </tr> <tr> <td>Level 4 = 20 marks</td> <td>Level 4 = 20 marks</td> </tr> <tr> <td>Finance, Data Handling and Probability</td> <td>Maps and Plans, Measurement and Probability</td> </tr> </tbody> </table> <p>NB: SECTION IN FINANCE THAT CAN BE EXAMINED IN PAPER 2 Income, Expenditure, Profit/loss, Income-and-Expenditure statements and Budgets, Cost price and Selling price (See Abridged Section 4 amendments).</p>	PAPER 1	PAPER 2	100 MARKS; 2 HOURS	100 MARKS; 2 HOURS	4 Questions	4 Questions	Question 1 = 20 marks (Level 1)	Question 1 = 20 marks (Level 1)	Question 2, 3 and 4	Question 2, 3 and 4	Level 1 = 10 marks	Level 1 = 10 marks	Level 2 = 30 marks	Level 2 = 30 marks	Level 3 = 20 marks	Level 3 = 20 marks	Level 4 = 20 marks	Level 4 = 20 marks	Finance, Data Handling and Probability	Maps and Plans, Measurement and Probability
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Requisite pre-knowledge	Revise grade 10-content	Knowledge of Term 1-graphs	Revise grade 10 content	Revise grade 10-content																						
Resources (other than textbook) to enhance learning	Invoices, Receipts		Answer Series Examination Aid Gr 11	Models Use actual cans and a range of actual boxes Answer Series Examination Aid Gr 11																						
Informal assessm; remediation	Short tests on inflation and break-even		Practical test on how to assemble a product																							
SBA (Formal Assessment)																										