

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	Conversions - Metric to Imperial - Temperature (°C to °F and vice versa) Time - Duration (hours to minutes and vice versa) CAPS: Pg 63,70	Equivalent/proportionality conversions E.g. 5litre paint covers 20m ² ; 1teaspoon ≈ 5ml CAPS: Pg 32	- 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 Representations (2 relationships) - Equations/Formulae - dependent and independent variables - tables and graphs CAPS: Pg 38 - 43		Use formulae/equations, tables and graphs to: -Compare different tariff systems, -Determine break-even point, -Comparing different banking options CAPS: Pg 44 -46	Terminology and calculations of the values on the documents (See list of documents CAPS Pg 49) Income (fixed/variable and occasional): Sources of income - personal income (e.g. salaries, wages and commission) - business income (e.g. sales, donations and grants) Expenditure: - Personal expenditure (e.g. living expenses, personal tax, loan repayments) - Business expenditure (e.g. taxes, salaries, running expenses) CAPS: Pg 49		<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 CAPS: Pg 73 - 78		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		

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 - Loans - Investments - Bank accounts Banking - Savings account - Cheque/current account - Fixed deposit account - Credit and debit account etc. Inflation - Calculation - Rate of increase or decrease CAPS: Pg 54 - 58		Data collection: - populations and samples, data collection methods and instruments Classify and organise data: - Tallies and frequency tables Displaying data: - Pie charts, histograms, bar graphs CAPS: Pg 83	Displaying data: - Multiple bar graphs - Line and broken line graph - Scatter plots Summarising data: - Mean - Median - Mode - Range Analyse data represented by the above averages Integrate probability (not covered in grade 10) CAPS: Pg 84 - 88	Measuring & estimating (not covered in grade 10) - Length - Distance - Mass/weight - Volume - Temperature Calculate - 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 - 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 - Ruler; Tape measure - Scales; Trundle wheels - Odometers Mass/weight - Bathroom-, Kitchen scales - Electronic scales Volume - Spoons; Cups - Jugs; Bottles - Buckets; Wheel barrows Temperature - 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		

Grade 11 Mathematical Literacy 2021

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

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 <ul style="list-style-type: none"> 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>		Notes on or guidelines for final examinations: FINAL EXAMINATION (two papers) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">PAPER 1</th> <th style="text-align: left;">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> </tbody> </table> <p>Finance, Data Handling and Probability Maps and Plans, Measurement and Probability</p> <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
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																							
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)																								