



2023/24 ANNUAL TEACHING PLANS: MATHEMATICAL LITERACY: GRADE 10 (TERM 1)

TERM 1	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
CAPS TOPIC	NUMBERS AND CALCULATIONS WITH NUMBERS				PATTERNS RELATIONSHIPS & REPRESENTATIONS			DATA HANDLING		REVISION	
NOTE	The topics "Numbers and calculations with numbers" and "Patterns, relationships and representations" have been included in this work schedule to provide teachers with the opportunity to revise the concepts contained in these topics. However, it is essential that these concepts are not taught in the absence of contexts but that learners are exposed to these concepts in realistic scenarios (CAPS: Page 15).										
CONCEPTS, SKILLS AND VALUES	Number formats: <ul style="list-style-type: none"> Decimal point, comma, thousand separators (1 000, 1 000 000, etc.) Positive and negative numbers in contexts, conversions between number formats (e.g., dozen, over, century, etc.) 	Operations: <ul style="list-style-type: none"> Operations with whole numbers and decimals with and without a calculator (BODMAS) Use a calculator to find: square, cube, square root of a number Operations with fractions 	Rounding, ratio, rates and percentage: <ul style="list-style-type: none"> Rounding, ratio, rates, direct and inverse proportion, percentages Rounding-off <ul style="list-style-type: none"> to a specified number of decimal places to the nearest whole number, up or down Ratio's: situations, formats, and calculations Rates: meaning, types and calculations Percentage: notation and calculations Percentage increase and decrease calculations 	Patterns & relations: <ul style="list-style-type: none"> Patterns and relationships Constant, direct proportion and inverse proportion relationships. Tables with input and output values 	Pattern and relationship representations: <ul style="list-style-type: none"> Table with dependent and independent values, variables Equations Graphs Interpretation of Tables and Graphs Example: Determine: dependent and independent values, variables, zero values, min, max values, missing values Write a story from a graph or draw a graph from a story 	<ul style="list-style-type: none"> Developing questions Collecting data Classifying and organizing data Summarising data. <ul style="list-style-type: none"> Mean Median Mode Range Analyse data represented by the above 	<ul style="list-style-type: none"> Number and calculations with numbers Patterns relations and representations Data handling 				
PAGE NO. IN CAPS	Page 28	Page 29	Page 30-35		Page 38	Page 39-42		Page 83-84			
REQUISITE PRE-KNOWLEDGE	Basic number concepts – Grade 7-9 Mathematics	Basic number concepts – Grade 7-9 Mathematics	Basic number concepts – Grade 7-9 Mathematics		Number patterns, basic knowledge on graphs	Number patterns, basic knowledge on graphs		Basic number concepts – Grade 7-9 Mathematics			
RESOURCES (OTHER THAN TEXTBOOK) TO ENHANCE LEARNING	CAPS policy document CAPS aligned textbooks Examination guidelines Calculators Any other relevant resources							<ul style="list-style-type: none"> CAPS NEWSPAPERS and DATA BASES, SOURCES CAPS aligned textbooks Examination guidelines Calculators 			
INFORMAL ASSESSMENT, REMEDIATION	Short tests on number formats		Worksheet on rounding, ratio, proportion, and percentage			Short tests on graphs		Short test on data (all concepts)			
SBA (FORMAL ASSESSMENT)	INVESTIGATION AND CONTROLLED TEST										

2023/24 ANNUAL TEACHING PLANS: MATHEMATICAL LITERACY: GRADE 10 (TERM 2)

TERM 2	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
CAPS TOPIC	FINANCE		MEASUREMENT		MAPS, PLANS & OTHER REPRESENTATIONS			PROBABILITY		REVISION	
TOPIC, CONCEPTS, SKILLS, AND VALUES	Financial documents: <ul style="list-style-type: none"> Household bills Shopping doc Banking doc Household budget Terminology used in above document 	Tariff systems: <ul style="list-style-type: none"> Municipal tariff Telephone tariff Transport tariff Bank fees Calculate: <ul style="list-style-type: none"> Cost using tariff and, or formula Draw & interpret graphs of various tariffs systems 	Conversions: <ul style="list-style-type: none"> Metric system Conversion using factors, tables. Time formats conventions, conversion (sec, min, hours, days, weeks, months, years, decade) 	Measuring & estimating: <ul style="list-style-type: none"> Length Distance Weight, mass Volume Temperature Time Calculate costs of products and services 	Scale: <ul style="list-style-type: none"> Use Scale in the form: 1:500 and bar scales to Calculate actual distance and length from the given map, plan measurements. 	Maps: <ul style="list-style-type: none"> Describe position of an object (e.g., building) in relation to surrounding. Describe position of a building) in relation to surrounding buildings Find location, Follow & develop directions Direction indicators (left, right, along, up, down, etc.) House building numbering Numbering system used for sitting in sport stadiums 	Probability expression and representation: <ul style="list-style-type: none"> Expression of probability Events and outcomes, results Prediction Relative frequency & theoretical probability of an event Tree diagrams and two-way tables 	<ul style="list-style-type: none"> Finance Measurement Maps, plans and other representations 			
PAGE NO. IN CAPS	Page 49-50	Page 50	Page 63	Page 64-67	Page 73	Page 74-75		Page 91-93			
REQUISITE PRE-KNOWLEDGE	Grade 8 & 9 work	Grade 8 & 9 work	Grade 8 & 9 work	Grade 8 & 9 work	Grade 8 & 9 work			Revision Grade 8 & 9 work			
RESOURCES (OTHER THAN TEXTBOOK) TO ENHANCE LEARNING	Financial documents and tariff rates of: <ul style="list-style-type: none"> Household bills (electricity, water, telephone, cell phone) Shopping documents (till slips, account statements) Banking documents (bank statements, fee structures) Household budgets Transport tariffs 	Financial documents and tariff rates of: <ul style="list-style-type: none"> Household bills (electricity, water, telephone, cell phone) Shopping documents (till slips, account statements) Banking documents (bank statements, fee structures) Household budgets Salary Slips Fees brochures Websites: <ul style="list-style-type: none"> www.taxshop.co.za www.practicalvatloosleaf.co.za 	Measuring instruments: <ul style="list-style-type: none"> Ruler Tape measure Baking measures (spoons, cups) Relevant sources: <ul style="list-style-type: none"> Baking recipes Conversion tables Plans of school, house 	Measuring instruments: <ul style="list-style-type: none"> Thermometer Kitchen, bathroom scale Baking measures (spoons, cups) Relevant sources: <ul style="list-style-type: none"> Baking recipes Conversion tables Plans of school, house 	<ul style="list-style-type: none"> Maps showing layout of a classroom and, or seating plan Maps showing layout of buildings and, or sports field of a school Maps of layout of shopping centres Seating plans of cinemas, sport fields 	<ul style="list-style-type: none"> Coins and dice Games involving coins and dice Deck of cards Weather reports 					
INFORMAL ASSESSMENT, REMEDIATION	Short tests on financial documents and tariff systems		Worksheet on conversions and measuring		Short tests on scale and maps				Worksheet on probability		
SBA (FORMAL ASSESSMENT)	ASSIGNMENT AND MID-YEAR EXAM										

2023/24 ANNUAL TEACHING PLANS: MATHEMATICAL LITERACY: GRADE 10 (TERM 3)

TERM 3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
CAPS TOPIC	FINANCE					MEASUREMENTS		MAPS, PLANS & OTHER REPRESENTATIONS		REVISION	
CONCEPTS, SKILLS, AND VALUES	Income, expenditure, profit, loss, income-and-expenditure statements, and budgets: <ul style="list-style-type: none"> Perform calculations involving all of the above Identify fixed, variable, and occasional income and expenditure values from financial documents Analyse and prepare income-and-expenditure statements and budgets 		Interest: <ul style="list-style-type: none"> Distinguish between interest rate and interest Calculate interest and interest rate (without the use of a formulae) Taxation Determine VAT in the context of shop purchases, till slips and bills Calculate VAT inclusive, exclusive prices 	Banking, loans & investments: <ul style="list-style-type: none"> Understand terminology in the banking documents Determine bank charges for different bank account types. Draw graphs from given bank charges. 		Perimeter and Area: Calculate: <ul style="list-style-type: none"> Perimeter and Area of rectangles, triangles, and circles (quarter, semi, and three-quarters) using provided formulae Cost of products Solve problems and complete tasks, projects 		Plans: <ul style="list-style-type: none"> Floor plans and design: <ul style="list-style-type: none"> Understand the symbol & notation used on plans Describe what is being represented Analyse layout of shown in plan & suggest alternative layout option Determine actual length on plans using measurements and given scale Determine quantity of material needed by using the plans perimeter, area, and volume calculations Draw 2D floor plans for familiar structures Assembly diagrams Models <ul style="list-style-type: none"> Packaging of cans and or boxes for optimal use of space Determine the most cost-effective way of packaging a number of cans and or boxes 		<ul style="list-style-type: none"> Finance Measurements Maps and Plans Probability 	
PAGE NO. IN CAPS	Page 51-52		Page 54, 58	Page 55		Page 68-68		Page 76-80			
REQUISITE PRE-KNOWLEDGE	gr 8 & 9 Financial Maths		Revision of gr 8 & 9 fin maths Introduction to value added tax. Percentage calculations.	Substitution in formulae, Interpretation of graphs.		gr 8 & 9 Maths		Exposing learners to different basic floor plans, models instructions, etc.			
RESOURCES (OTHER THAN TEXTBOOK) TO ENHANCE LEARNING	Personal Income: <ul style="list-style-type: none"> Salaries Wages & commission Gifts & pocket money Bursaries and loans Savings Interest Inheritance Personal Expenditure: <ul style="list-style-type: none"> Living expenses Accounts Telephone Fees Insurance Personal taxes Loan repayments Taxes 		<ul style="list-style-type: none"> Bank statements Account statements Invoices Quotations, etc. 	<ul style="list-style-type: none"> Bank statements, account information brochures, etc., CAPS aligned textbooks Examination guidelines Calculators 		Measuring instruments: <ul style="list-style-type: none"> Ruler Tape measure Different shapes in classroom and real-life context e.g.: <ul style="list-style-type: none"> Shoe box Pringle holders Toilet roll Different copies of nets 		<ul style="list-style-type: none"> Floor plans and design <ul style="list-style-type: none"> Familiar structure (e.g., classroom, room in a house, bedroom, or lounge) Models <ul style="list-style-type: none"> Use actual cans and a range of actual boxes 			
INFORMAL ASSESSMENT, REMEDIATION	Short tests on income and expenditure		Short tests on interest and tax	Short tests on banking, loans, and investments		Exercise on perimeter, area, and volume		Practical exercise on floor plans			
SBA (FORMAL ASSESSMENT)	ASSIGNMENT and CONTROLLED TEST										

2023/24 ANNUAL TEACHING PLANS: MATHEMATICAL LITERACY: GRADE 10 (TERM 4)

TERM 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7-10						
CAPS TOPIC	DATA HANDLING		REVISION		REVISION		INTERNAL EXAMINATIONS						
CONCEPTS, SKILLS, AND VALUES	DATA HANDLING: Representing data: <ul style="list-style-type: none"> • Pie chart (Interpretation only) • Histogram • Single bar graph • Line and broken line graph 	DATA HANDLING: <ul style="list-style-type: none"> • Analyse data represented by the graphs done in previous week 	<ul style="list-style-type: none"> • FINANCE • DATA HANDLING • PROBABILITY 		<ul style="list-style-type: none"> • MEASUREMENT • MAPS, PLANS AND OTHER REPRESENTATIONS OF THE PHYSICAL WORLD • PROBABILITY 		Notes on or guidelines for final examinations: FINAL EXAMINATION (two papers) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">PAPER 1</th> <th style="width: 50%;">PAPER 2</th> </tr> </thead> <tbody> <tr> <td>75 MARKS: 1 HOUR 30 MINUTES</td> <td>75 MARKS: 1 HOUR 30 MINUTES</td> </tr> <tr> <td> Question 1: 20% (level 1) Question 2: Finance Question 3: Data handling Question 4 – 5: Integration of finance, data handling and probability </td> <td> Question 1 = 20% (level 1) Question 2: Maps and plans Question 3: Measurements Question 4 – 5: Integration of maps & plans and measurements and probability </td> </tr> </tbody> </table>	PAPER 1	PAPER 2	75 MARKS: 1 HOUR 30 MINUTES	75 MARKS: 1 HOUR 30 MINUTES	Question 1: 20% (level 1) Question 2: Finance Question 3: Data handling Question 4 – 5: Integration of finance, data handling and probability	Question 1 = 20% (level 1) Question 2: Maps and plans Question 3: Measurements Question 4 – 5: Integration of maps & plans and measurements and probability
PAPER 1	PAPER 2												
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PAGE NO. IN CAPS	Page 86-87	Page 87-88											
REQUISITE PRE-KNOWLEDGE	Gr 8 & 9 Maths												
RESOURCES (OTHER THAN TEXTBOOK) TO ENHANCE LEARNING	Newspapers and data bases, sources CAPS aligned textbooks Examination guidelines Calculators												
INFORMAL ASSESSMENT, REMEDIATION	Short test on data (all concepts)												
SBA (FORMAL ASSESSMENT)	No SBA Task												

2023/24 ANNUAL TEACHING PLANS: MATHEMATICAL LITERACY: GRADE 11 (TERM 1)

TERM 1	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
CAPS TOPIC	PATTERNS AND RELATIONSHIPS			MEASUREMENTS				FINANCE		REVISION	
CONCEPTS, SKILLS AND VALUES	<ul style="list-style-type: none"> Patterns and Relationships: <ul style="list-style-type: none"> Constant difference (two relationships) Inverse proportion (two relationships) Constant ratio between consecutive terms A combination of any two of the above Representations (two relationships) <ul style="list-style-type: none"> Equations and formulae Dependent and independent variables Tables and graphs 		Working with two relationships: Use formulae, equations, tables and graphs to: <ul style="list-style-type: none"> Compare different tariff systems Compare different banking options, etc. 	<ul style="list-style-type: none"> Conversions: <ul style="list-style-type: none"> Metric to imperial Temperature (°C to °F and vice versa) Time <ul style="list-style-type: none"> Duration (hours to minutes and vice versa) 	<ul style="list-style-type: none"> Conversions: Equivalent proportionality conversions e.g., 5 litre paint covers 20 m² 1 teaspoon ≈ 5 ml 	<ul style="list-style-type: none"> Measuring & estimating: <ul style="list-style-type: none"> Length Distance Mass, weight Volume Temperature 	<ul style="list-style-type: none"> Calculate: <ul style="list-style-type: none"> Perimeter Area (Surface Area) Volume Note: Costs calculations may apply to the above sections. 	<ul style="list-style-type: none"> Financial Documents: <ul style="list-style-type: none"> Terminology and calculations of the values on the documents Income (fixed, variable and occasional): Sources of income: <ul style="list-style-type: none"> Personal income (e.g., salaries, wages and commission) Business income (e.g., sales, donations and grants) Expenditure: <ul style="list-style-type: none"> Personal expenditure (e.g., living expenses, personal tax, loan repayments) Business expenditure (e.g., taxes, salaries, running expenses) 		<ul style="list-style-type: none"> Patterns and relationships Measurement Finance 	
PAGE NO. IN CAPS	Page 38-43		Page 44-46	Page 63, 70		Page 64-69		Page 49			
REQUISITE PRE-KNOWLEDGE	Grade 10 content										
RESOURCES TO ENHANCE LEARNING	<ul style="list-style-type: none"> CAPS document CAPS aligned textbooks Examination guidelines Calculators 			<ul style="list-style-type: none"> CAPS document CAPS aligned textbooks Examination guidelines Calculators 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, wheelbarrows Temperature: Thermometer 				<ul style="list-style-type: none"> Pay slips Quotations Invoices Receipts Travel allowance claim forms Banking documents CAPS aligned textbooks Examination guidelines Calculators 			
INFORMAL ASSESSMENT, REMEDIATION	Short tests on equations, tables and graphs			Short test on conversions and time		Worksheet on perimeter, area and volume		Short tests on financial documents			
SBA (FORMAL ASSESSMENT)	INVESTIGATION and CONTROLLED TEST										

2023/24 ANNUAL TEACHING PLANS: MATHEMATICAL LITERACY: GRADE 11 (TERM 2)

TERM 2	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
CAPS TOPICS	FINANCE			MAPS, PLANS & OTHER REPRESENTATIONS		DATA HANDLING			PROBABILITY	REVISION	
CONCEPTS, SKILLS AND VALUES	<ul style="list-style-type: none"> • Taxation: <ul style="list-style-type: none"> - VAT - UIF • Exchange rates 	<ul style="list-style-type: none"> • Tariff system: <ul style="list-style-type: none"> - Municipal tariffs - Telephone tariffs - Transport tariffs - Bank fees • Compare two options: <ul style="list-style-type: none"> - Performing calculations - Drawing and interpreting graphs 		<ul style="list-style-type: none"> • Scales and map: <ul style="list-style-type: none"> • Scales: <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 etc. 	<ul style="list-style-type: none"> • Developing questions: • Collecting Data: <ul style="list-style-type: none"> - populations and samples, data collection methods and instruments • Classifying and organising data: <ul style="list-style-type: none"> - Tallies and frequency tables 	<ul style="list-style-type: none"> • Summarising data: <ul style="list-style-type: none"> - Mean - Median - Mode - Range Analyse data represented by the above averages 	<ul style="list-style-type: none"> • Representing, interpreting and analysing data: <ul style="list-style-type: none"> - Multiple bar graphs - Line and broken line graph - Scatter plots 	<ul style="list-style-type: none"> • Simple events: <ul style="list-style-type: none"> - Outcome, event and probability scale (revision) - Relative frequency - Theoretical probability • Compound Events: <ul style="list-style-type: none"> - Tree diagrams - Two-way tables 	<ul style="list-style-type: none"> • Finance • Maps, plans and other representations • Data handling • Probability 		
PAGE NO. IN CAPS	Page 58	Page 50		Page 73-78		Page 83	Page 84-85	Page 86-88	Page 91-94		
REQUISITE PRE-KNOWLEDGE	Grade 10 content										
RESOURCES (OTHER THAN TEXTBOOK) TO ENHANCE LEARNING	<ul style="list-style-type: none"> • CAPS aligned textbooks • Examination guidelines • Calculators 	<ul style="list-style-type: none"> • Tariffs • CAPS aligned textbooks • Examination guidelines • Calculators 				<ul style="list-style-type: none"> • CAPS aligned textbooks • Examination guidelines • Calculators 			<ul style="list-style-type: none"> • Coins and dice • Games involving coins and dice • Deck of cards • Weather reports 		
INFORMAL ASSESSMENT, REMEDIATION	Short tests on income and expenditure	Short tests on tariff system		Short tests on scales and maps							
SBA (FORMAL ASSESSMENT)	ASSIGNMENT and MID-YEAR EXAMINATION										

2023/24 ANNUAL TEACHING PLANS: MATHEMATICAL LITERACY: GRADE 11 (TERM 3)

TERM 3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
CAPS TOPICS			FINANCE			MAPS, PLANS & OTHER REPRESENTATIONS			REVISION AND CONSOLIDATION		
CONCEPTS, SKILLS AND VALUES	Income, expenditures, profit, loss: <ul style="list-style-type: none"> Large organisations and fundraising projects A comparison of income, expenditure, profit values over two years Budgets showing a comparison of projected vs actual, expenditure and profit, loss values 	Cost price & selling price: <ul style="list-style-type: none"> Cost of producing, manufacturing Appropriate selling price Percentage profit 	Break-even analysis: <ul style="list-style-type: none"> Determine break-even values from formulae and graphs 	Interest, loans and banking: <ul style="list-style-type: none"> Interest (Calculate without the use of the formulae): <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 		<ul style="list-style-type: none"> Building plans (Scale) <ul style="list-style-type: none"> Housing plans Elevation plans Design drawings 	<ul style="list-style-type: none"> Models <ul style="list-style-type: none"> Packaging Use actual cans and a range of actual boxes 	<ul style="list-style-type: none"> Finance Data handling Measurements Maps and plans 			
PAGE NO. IN CAPS	Page 52-53			Page 54-60		Page 73-78		Page 79-80			
REQUISITE PRE-KNOWLEDGE			Grade 10 content								
RESOURCES TO ENHANCE LEARNING	<ul style="list-style-type: none"> CAPS aligned textbooks Examination guidelines Calculators 	<ul style="list-style-type: none"> CAPS aligned textbooks Examination guidelines Calculators 		<ul style="list-style-type: none"> CAPS aligned textbooks Exam guidelines Calculator Banking: <ul style="list-style-type: none"> Saving accounts Cheque accounts Fixed deposits Credit accounts with credit card and debit account with debit card 	<ul style="list-style-type: none"> Floor plans elevation and design: <ul style="list-style-type: none"> Rough & scaled floor, layout plans showing a top view perspective Maps CAPS aligned textbooks Examination guidelines Calculators 	<ul style="list-style-type: none"> CAPS aligned textbooks Examination guidelines Calculators 	<ul style="list-style-type: none"> CAPS aligned textbooks Examination guidelines Calculators 				
INFORMAL ASSESSMENT, REMEDIATION	Short tests on income, expenditure, profit, loss, breakeven analysis					Short tests on scales and maps		Short tests on models and packaging		Worksheets and mock exams	
SBA (FORMAL ASSESSMENT)	ASSIGNMENT and CONTROLLED TEST										

2023/24 ANNUAL TEACHING PLANS: MATHEMATICAL LITERACY: GRADE 11 (TERM 4)

TERM 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7-10						
CAPS TOPICS	MAPS, PLANS & OTHER REPRESENTATIONS		REVISION AND CONSOLIDATION			END OF THE YEAR EXAMINATION							
CONCEPTS, SKILLS AND VALUES	Assembling: <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 		<ul style="list-style-type: none"> Finance Data handling Probability 		<ul style="list-style-type: none"> Measurement Maps, plans and other representations of the physical world. Probability 		Guidelines for final examinations: FINAL EXAMINATION (two papers) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">PAPER 1</th> <th style="width: 50%;">PAPER 2</th> </tr> </thead> <tbody> <tr> <td>100 MARKS: 2 HOURS</td> <td>100 MARKS: 2 HOURS</td> </tr> <tr> <td> Question 1: 20% (level 1) Question 2: Finance Question 3: Data handling Question 4 – 5: Integration of finance, data handling and probability </td> <td> Question 1 = 20% (level 1) Question 2: Maps and plans Question 3: Measurements Question 4 – 5: Integration of maps & plans and measurements and probability </td> </tr> </tbody> </table>	PAPER 1	PAPER 2	100 MARKS: 2 HOURS	100 MARKS: 2 HOURS	Question 1: 20% (level 1) Question 2: Finance Question 3: Data handling Question 4 – 5: Integration of finance, data handling and probability	Question 1 = 20% (level 1) Question 2: Maps and plans Question 3: Measurements Question 4 – 5: Integration of maps & plans and measurements and probability
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PAGE NO. IN CAPS	CAPS: Page 79-80												
PRE-REQUISITE KNOWLEDGE	Grade 10 content												
RESOURCES TO ENHANCE LEARNING	<ul style="list-style-type: none"> CAPS aligned textbooks Examination guidelines Calculators 					<ul style="list-style-type: none"> CAPS aligned textbooks Examination guidelines Calculators 							
INFORMAL ASSESSMENT, REMEDIATION	Practical test on how to assemble a product					<ul style="list-style-type: none"> Worksheets and mock exams 							
SBA (FORMAL ASSESSMENT)	NO SBA TASK FOR TERM 4												

2023/24 ANNUAL TEACHING PLANS: MATHEMATICAL LITERACY: GRADE 12 (TERM 1)

TERM 1	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
CAPS TOPIC	FINANCE					DATA HANDLING			PROBABILITY	FINANCE	
CONCEPTS, SKILLS, AND VALUES	Financial documents: <ul style="list-style-type: none"> Tax documents (e.g., tax rate tables, IRP5, employee income tax, etc.) Loan documents (e.g., bank statements, loan institutions showing changes on loan agreements, etc.) 	Taxation: <ul style="list-style-type: none"> Personal income tax, Taxable & non-taxable income, Rebates UIF (maximum amount) VAT (15%) 	Tariff systems: (Compare 2 or more) <ul style="list-style-type: none"> Electricity tariffs Telephone tariffs Municipal tariffs Bank tariffs Transport tariffs Tables Graphs Formulae 	Income, expenditures, profit, loss: (Large organisations and fundraising projects) <ul style="list-style-type: none"> A comparison of income, expenditure, profit values over two years Budgets showing a comparison of projected vs actual, expenditure and profit, loss values 	Cost price & selling price: Cost of producing, manufacturing <ul style="list-style-type: none"> Appropriate selling price Percentage profit Break-even analysis: (Determine break-even values from formulae and graphs) 	Developing questions: <ul style="list-style-type: none"> National and global issues Collecting data: <ul style="list-style-type: none"> Develop and use data collection instruments. (e.g., interview questions, questionnaires, recording sheets, etc.) Classifying & organising data: <ul style="list-style-type: none"> Sort numerical and categorical data using categories and class intervals tallies and frequency tables. 	Summarising data: Quartiles <ul style="list-style-type: none"> Inter-quartile range Calculate and analyse measures of central Tendency and spread. Percentiles 	Representing, interpreting and analysing data: <ul style="list-style-type: none"> Pie charts Histograms, bar graphs Line & broken line graphs Scatter plots Box and whisker plots 	Probability: <ul style="list-style-type: none"> Probability of simple events (dice, coin games, national lotteries, Gambling, insurance risk assessment, etc.) Relative frequency and theoretical probability Compound events Tree diagrams and two-way tables 	Interest and Banking: <ul style="list-style-type: none"> Hire purchase, residual, balloon Loans Interest rate, interest, repayment 	Banking: <ul style="list-style-type: none"> Investments Insurance Plans (Interest, interest rate, charges, monthly payment) Inflation: <ul style="list-style-type: none"> Buying power over time Prices of items over time (Interpret and analyse graphs Exchange rates Currency relationships, buying power
PAGE NO. IN CAPS	Page 49-50	Page 58-59	Page 50	Page 50-52	Page 52-53	Page 86-88			Page 91	Page 54- 57	Page 55-57
PRE-REQUISITE KNOWLEDGE	Grade 11 content										
RESOURCES TO ENHANCE LEARNING	CAPS document CAPS aligned textbooks Examination guidelines Mind the gap DBE self-study guides DBE terminology booklet										
INFORMAL ASSESSMENT, REMEDIATION	Short tests on tables, graphs and break even	Short tests on personal tax	Short test on tariffs	Short tests on income, expenditure, profit, loss, break-even analysis				Short tests on data: Pie charts, histograms, line graphs, scatter plots and box and whisker			
SBA (FORMAL ASSESSMENT)	INVESTIGATION AND CONTROLLED TEST										

2023/24 ANNUAL TEACHING PLANS: MATHEMATICAL LITERACY: GRADE 12 (TERM 2)

TERM 2	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8 TO 11						
CAPS TOPIC	MEASUREMENT				MAPS, PLANS & OTHER REPRESENTATIONS OF THE PHYSICAL WORLD		REVISION	INTERNAL EXAMINATIONS						
CONCEPTS, SKILLS, AND VALUES	<p>Conversions:</p> <ul style="list-style-type: none"> • Conversion factors and tables • Metric to imperial and vice versa • °C to °F and vice versa <p>Time</p> <ul style="list-style-type: none"> • Timetables, transport (Bus, Train, Taxi) • Production e.g., building a house • Tide 	<p>Perimeter and area:</p> <ul style="list-style-type: none"> • Length, distance, and time • Perimeter • Area <p>Note: Cost calculations may apply to the above sections</p>	<p>Volume and surface area:</p> <ul style="list-style-type: none"> • Surface area • Volume • Rate (speed, costing, etc.) • Mass(weight) <p>Note: Cost calculations may apply to the above sections</p> <p>BMI</p> <ul style="list-style-type: none"> • (Formulae for BMI = kg, m²) • Interpreting charts 	<p>Scale</p> <ul style="list-style-type: none"> • Scale (ratio, bar) • Determine actual lengths and distances from a given scale • Determine a scale for drawings and, or models • Determine a scale in which to draw diagram or construct a model 	<p>Maps</p> <ul style="list-style-type: none"> • Grid reference • Compass directions • Slope on map 	<p>Finance</p> <ul style="list-style-type: none"> • Data handling • Measurements • Scale and maps 	<p>Notes on or guidelines for mid-year examinations – 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>Question 1: 20% (level 1) Question 2: Finance Question 3: Data Handling Question 4 – 5: Integration of finance, data handling and probability</td> <td>Question 1 = 20% (level 1) Question 2: Maps and Plans Question 3: Measurements Question 4 – 5: Integration of maps & plans and measurements and probability</td> </tr> </tbody> </table>		PAPER 1	PAPER 2	100 MARKS: 2 HOURS	100 MARKS: 2 HOURS	Question 1: 20% (level 1) Question 2: Finance Question 3: Data Handling Question 4 – 5: Integration of finance, data handling and probability	Question 1 = 20% (level 1) Question 2: Maps and Plans Question 3: Measurements Question 4 – 5: Integration of maps & plans and measurements and probability
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PAGE NO. IN CAPS	Page 63, 70	Page 64, 68-69	Page 65-66, 68-69	Page 73	Page 74-75									
PRE-REQUISITE KNOWLEDGE	Grade 11 content													
RESOURCES TO ENHANCE LEARNING	CAPS document CAPS aligned textbooks Examination guidelines Mind the gap DBE Self-study guides DBE Terminology booklet													
INFORMAL ASSESSMENT, REMEDIATION	Worksheet on conversions	Short tests on area, volume and surface area and BMI			Worksheet on scale and maps									
SBA (FORMAL ASSESSMENT)	ASSIGNMENT AND MID-YEAR EXAMINATIONS													

2023/24 ANNUAL TEACHING PLANS: MATHEMATICAL LITERACY: GRADE 12 (TERM 3)

TERM 3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8 TO 11						
CAPS TOPIC	MAPS, PLANS & OTHER REPRESENTATIONS OF THE PHYSICAL WORLD					REVISION		PREPARATORY EXAMINATIONS						
CONCEPTS, SKILLS, AND VALUES	Plans: <ul style="list-style-type: none"> Diagrams (assembly instructions in manuals, etc.) Plans (symbols and notation, terminology, determine actual dimensions using a given scale, determine a suitable scale to draw a plan, draw 2D floor and elevation plans) 			Models: <ul style="list-style-type: none"> Solving packaging problems 3D scale models 2D pictures (Item arrangement, estimate material quantities)		<ul style="list-style-type: none"> Finance Data handling Probability 	<ul style="list-style-type: none"> Measurements Maps and plans Probability 	Notes on or guidelines for preparatory examinations – two papers <table border="1"> <thead> <tr> <th>PAPER 1</th> <th>PAPER 2</th> </tr> </thead> <tbody> <tr> <td>150 MARKS: 3 HOURS</td> <td>150 MARKS: 3 HOURS</td> </tr> <tr> <td> Question 1: 20% (Level 1) Question 2: Finance Question 3: Data handling Question 4 – 5: Integration of finance, data handling and probability </td> <td> Question 1 = 20% (Level 1) Question 2: Maps and plans Question 3: Measurements Question 4 – 5: Integration of maps & plans and measurements and probability </td> </tr> </tbody> </table>	PAPER 1	PAPER 2	150 MARKS: 3 HOURS	150 MARKS: 3 HOURS	Question 1: 20% (Level 1) Question 2: Finance Question 3: Data handling Question 4 – 5: Integration of finance, data handling and probability	Question 1 = 20% (Level 1) Question 2: Maps and plans Question 3: Measurements Question 4 – 5: Integration of maps & plans and measurements and probability
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CAPS	Page 73-78			Page 79-80										
REQUISITE PRE-KNOWLEDGE	Grade 11 content													
RESOURCES TO ENHANCE LEARNING	CAPS document CAPS aligned textbooks Examination guidelines Mind the gap DBE self-study guides DBE terminology booklet													
INFORMAL ASSESSMENT, REMEDIATION	Worksheet on plans and models													
SBA (FORMAL ASSESSMENT)	CONTROLLED TEST AND PREPARATORY EXAMINATION													

2023/24 ANNUAL TEACHING PLANS: MATHEMATICAL LITERACY: GRADE 12 (TERM 4)

TERM 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5 TO 10						
CAPS TOPIC	REVISION				FINAL EXAMINATION						
CONCEPTS, SKILLS, AND VALUES	<ul style="list-style-type: none"> Finance Data handling Measurements Maps and plans Probability 	<ul style="list-style-type: none"> Finance Data handling Measurements Maps and plans Probability 	<ul style="list-style-type: none"> Finance Data handling Measurements Maps and plans Probability 	<ul style="list-style-type: none"> Finance Data handling Measurements Maps and plans Probability 	Notes on or guidelines for final examination – two papers <table border="1"> <thead> <tr> <th>PAPER 1</th> <th>PAPER 2</th> </tr> </thead> <tbody> <tr> <td>150 MARKS: 3 HOURS</td> <td>150 MARKS: 3 HOURS</td> </tr> <tr> <td> Question 1: 20% (level 1) Question 2: Finance Question 3: Data handling Question 4 – 5: Integration of finance, data handling and probability </td> <td> Question 1 = 20% (level 1) Question 2: Maps and plans Question 3: Measurements Question 4 – 5: Integration of maps & plans and measurements and probability </td> </tr> </tbody> </table>	PAPER 1	PAPER 2	150 MARKS: 3 HOURS	150 MARKS: 3 HOURS	Question 1: 20% (level 1) Question 2: Finance Question 3: Data handling Question 4 – 5: Integration of finance, data handling and probability	Question 1 = 20% (level 1) Question 2: Maps and plans Question 3: Measurements Question 4 – 5: Integration of maps & plans and measurements and probability
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REQUISITE PRE-KNOWLEDGE	Grade 11 content										
RESOURCES TO ENHANCE LEARNING	CAPS document CAPS aligned textbooks Examination guidelines Mind the gap DBE self-study guides DBE terminology booklet										
INFORMAL ASSESSMENT, REMEDIATION	Revise exemplar papers and previous NSC question papers										
SBA (FORMAL ASSESSMENT)	No SBA task for term 4										