

GRADE 10 MATHEMATICAL LITERACY RECOVERY ANNUAL TEACHING PLAN (ATP) 2024

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/CONTROLLED TEST	
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: <input type="checkbox"/> Decimal point/comma; thousand separators (1000, 1000 000, etc.). <input type="checkbox"/> Positive and negative numbers in contexts; conversions between number formats (e.g., dozen, over, century, etc.)	Operations: <input type="checkbox"/> Operations with whole numbers and decimals with and without a calculator (BODMAS) <input type="checkbox"/> Use a calculator to find a square, cube, or square root of a number. <input type="checkbox"/> Operations with fractions	Rounding, Ratio, Rates and Percentage: <input type="checkbox"/> Rounding, Ratio, Rates, Direct and Inverse proportion, Percentages <input type="checkbox"/> Rounding-off: to a specified number of decimal places, to the nearest whole number, up or down <input type="checkbox"/> Ratios: situations, formats and calculations <input type="checkbox"/> Rates: meaning, types and calculations <input type="checkbox"/> Percentage: notation and calculations <input type="checkbox"/> Percentage increase and decrease calculations	Patterns & Relations: <input type="checkbox"/> Patterns and relationships: <input type="checkbox"/> Constant, Direct proportion and inverse proportion relationships. <input type="checkbox"/> Tables with input and output values	Pattern and relationship representations: <input type="checkbox"/> Table with dependent and independent values/variables <input type="checkbox"/> Equations <input type="checkbox"/> Graphs <input type="checkbox"/> Interpretation of Tables and Graphs <input type="checkbox"/> Example: Determine: dependent and independent values/variables, zero values, min/max values, missing values <input type="checkbox"/> Write a story from a graph or draw a graph from a story	<input type="checkbox"/> Developing questions. <input type="checkbox"/> Collecting data <input type="checkbox"/> Classifying and organizing data. <input type="checkbox"/> Summarising data. - Mean - Median - Mode - Range <input type="checkbox"/> Analyse data represented by the above		<input type="checkbox"/> Number and Calculations with numbers <input type="checkbox"/> Patterns Relations and Representations <input type="checkbox"/> Data Handling		<div style="border: 1px solid black; padding: 5px;"> <p>ONE PAPER ONLY</p> <p>75 MARKS: 1½ Hours</p> <p>Question 1: 20% (Level 1)</p> <p>Questions 2 to 5: Integration of term one topics</p> </div>	
Page no. in CAPS	Page 28	Page 29	Page 30 - 35		Page 38	Page 39 - 42		Page 83 – 84			
% Term Curriculum Coverage	7.3%	12.2% (19.5%)	24.4% (43.9%)		12.2% (56.1%)	24.4% (80.5%)		19.5% (100%)			
% Year Curriculum Coverage	2.3%	3.9% (6.2%)	7.8% (14%)		3.9% (17.9%)	7.8% (25.7%)		6.2% (31.9%)			
Anticipated Date of completion	19/01/2024	26/01/2024	09/02/2024		16/02/2024	01/03/2024		15/03/2024			
Actual Date of completion											
DH control Signature and Date											
Prerequisite 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 of graphs	Number patterns; Basic knowledge of 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							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										

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/CONTROLLED TEST								
Topic, concepts, skills, and values	Financial documents: <input type="checkbox"/> Household bills <input type="checkbox"/> Shopping doc <input type="checkbox"/> Banking doc <input type="checkbox"/> Household Budget, The terminology used in the above document,	Tariff systems: <input type="checkbox"/> Municipal tariff <input type="checkbox"/> Telephone tariff <input type="checkbox"/> Transport tariff <input type="checkbox"/> Bank fees Calculate: <input type="checkbox"/> Cost using tariff and /or formula, <input type="checkbox"/> Draw & interpret graphs of various tariffs system	Conversions: <input type="checkbox"/> Metric system <input type="checkbox"/> Conversion using factors/tables. <input type="checkbox"/> Time formats conventions/conversion (sec – min – hours – days – weeks – months – years – decade)	Measuring & estimating: <input type="checkbox"/> Length <input type="checkbox"/> Distance <input type="checkbox"/> Weight/mass <input type="checkbox"/> Volume <input type="checkbox"/> Temperature <input type="checkbox"/> Time Calculate costs of products and services.	Scale: <input type="checkbox"/> Use Scale in the form: 1: 500 and bar scales to: Calculate the actual distance and length from the given map/plan measurements.	Maps: <input type="checkbox"/> Describe the position of an object (e.g., building) in relation to its surroundings. <input type="checkbox"/> Describe the position of a building in relation to surrounding buildings. <input type="checkbox"/> Find location, Follow & develop directions. <input type="checkbox"/> Direction indicators (left, right, along, up, down, etc.) <input type="checkbox"/> House building numbering <input type="checkbox"/> Numbering system used for sitting in sports stadiums	Probability Expression and Representation <input type="checkbox"/> Expression of probability <input type="checkbox"/> Events and outcomes/results <input type="checkbox"/> Prediction <input type="checkbox"/> Relative frequency and theoretical probability of an event. <input type="checkbox"/> Tree diagrams and Two-way tables	REVISION AND MID-YEAR EXAM								
											<table border="1" style="width: 100%;"> <tr> <th style="background-color: #d9e1f2;">PAPER 1</th> <th style="background-color: #d9e1f2;">PAPER 2</th> </tr> <tr> <td style="background-color: #fce4d6;">50 MARKS: 1 Hour</td> <td style="background-color: #fce4d6;">50 MARKS: 1 Hour</td> </tr> <tr> <td>Question 1: 20% (level 1) Question 2: Finance Question 3: Data Handling Questions 4 – 5: Integration of Finance, Data Handling and Probability.</td> <td>Question 1: 20% (level 1) Question 2: Maps and Plans Question 3: Measurements Questions 4 – 5: Integration of Maps & Plans and Measurements and Probability.</td> </tr> </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.</p>	PAPER 1	PAPER 2	50 MARKS: 1 Hour	50 MARKS: 1 Hour	Question 1: 20% (level 1) Question 2: Finance Question 3: Data Handling Questions 4 – 5: Integration of Finance, Data Handling and Probability.
PAPER 1	PAPER 2															
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Page no. in CAPS	Page 49 - 50	Page 50	Page 63	Page 64 - 67	Page 73	Page 74 - 75	Page 91 - 93									
% Term Curriculum Coverage	7.8%	13.2% (21%)	7.8% (28.8%)	10.6% (39.4%)	13.2% (52.6%)	26.4% (79%)	21% (100%)									
% Year Curriculum Coverage	2.3% (34.2%)	3.9% (38.1%)	2.3% (40.4%)	3.1% (43.5%)	3.9% (47.4%)	7.8% (55,2%)	6.2% (61.4%)									
Anticipated Date of completion	05/04/2024	12/04/2024	19/04/2024	26/04/2024	03/05/2024	17/05/2024	31/05/2024	14/06/2024								
Actual Date of completion																
DH control Signature and Date																
Prerequisite pre-knowledge	Grades 8 & 9 work	Grades 8 & 9 work	Grades 8 & 9 work	Grades 8 & 9 work	Grades 8 & 9 work	Grades 8 & 9 work	Revision gr 8 & 9 work									
Resources (other than textbook) to enhance learning	Financial documents and tariff rates of: <input type="checkbox"/> Household bills (electricity, water, telephone, cell phone) <input type="checkbox"/> Shopping documents (till slips, account statements) <input type="checkbox"/> Banking documents (bank statements, fee structures) <input type="checkbox"/> Household budgets <input type="checkbox"/> Transport tariffs	Financial documents and tariff rates of: <input type="checkbox"/> Household bills (electricity, water, telephone, cell phone) <input type="checkbox"/> Shopping documents (till slips, account statements) <input type="checkbox"/> Banking documents (bank statements, fee structures) <input type="checkbox"/> Household budgets Salary slips Fees brochures Websites: <input type="checkbox"/> www.taxshop.co.za <input type="checkbox"/> www.ptracticalvatloosleaf.co.za	Measuring instruments: <input type="checkbox"/> Ruler <input type="checkbox"/> Tape measure <input type="checkbox"/> Baking measures (spoons/cups) Relevant sources: <input type="checkbox"/> Baking recipes <input type="checkbox"/> Conversion tables <input type="checkbox"/> Plans of school/house	Measuring instruments: <input type="checkbox"/> Thermometer <input type="checkbox"/> Kitchen/bathroom scale <input type="checkbox"/> Baking measures (spoons/cups) Relevant sources: <input type="checkbox"/> Baking recipes <input type="checkbox"/> Conversion tables <input type="checkbox"/> Plans of school/house	<input type="checkbox"/> Street maps <input type="checkbox"/> Provincial and national road maps <input type="checkbox"/> Maps showing railway routes. <input type="checkbox"/> Maps of the layout of shopping centres <input type="checkbox"/> Seating plans for cinemas/sports fields	<input type="checkbox"/> Street maps <input type="checkbox"/> Provincial and national road maps <input type="checkbox"/> Maps showing railway routes. <input type="checkbox"/> Maps of the layout of shopping centres <input type="checkbox"/> Seating plans for cinemas/sports fields	<input type="checkbox"/> Coins and Dice <input type="checkbox"/> Games involving coins and dice. <input type="checkbox"/> Deck of cards <input type="checkbox"/> 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									



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/CONTROLLED TEST		
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 and 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 and notation used on plans. Describe what is being represented. Analyse the layout shown in the plan and suggest an alternative layout option. Determine the actual length of plans using measurements and the given scale. Determine the quantity of material needed by using the plan's 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 -69	Page 76 - 80						
% Term Curriculum Coverage	21.9%	12.2% (34.1%)	21.9% (56%)	24.4% (80.4%)	19.7% (100%)						
% Year Curriculum Coverage	6.9% (68.3%)	3.9% (72.2%)	6.9% (79.1%)	7.8 (86.9%)	6.2% (93.1%)						
Anticipated date of completion	19/07/2024	26/07/2024	11/08/2024	23/08/2024	06/09/2024	20/09/2024					
Actual date of completion											
DH control Signature and date											
Requisite pre-knowledge	Grades 8 & 9 Financial Maths	Revision of grades 8 & 9 Financial Mathematics; Introduction to value added tax. Percentage calculations.	Substitution in formulae; Interpretation of graphs.	Grades 8 & 9 Maths	Exposing learners to different basic floor plans, model instructions, etc.						
Resources (other than textbook) to enhance learning	<ul style="list-style-type: none"> Personal Income: salaries, wages & commission; gifts & pocket money; bursaries and loans; savings; interest; inheritance Personal Expenditure: 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., Shoebox 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						

ONE PAPER ONLY

75 MARKS: 1½ Hours

Question 1: 20% (Level 1)
Question 2: Finance
Question 3: Measurement
Question 4: Maps and Plans
Question 5: integration of Finance, Measurement and Maps and Plans.

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 <input type="checkbox"/> Pie chart (Interpretation only) <input type="checkbox"/> Histogram <input type="checkbox"/> Single bar graph <input type="checkbox"/> Line and broken line graph	DATA HANDLING: <input type="checkbox"/> Analyse data represented by the graphs done in the previous week.	<input type="checkbox"/> FINANCE <input type="checkbox"/> DATA HANDLING <input type="checkbox"/> PROBABILITY		<input type="checkbox"/> MEASUREMENT <input type="checkbox"/> MAPS, PLANS AND OTHER REPRESENTATIONS OF THE PHYSICAL WORLD <input type="checkbox"/> PROBABILITY		Notes on or guidelines for final examinations: FINAL EXAMINATION (two papers) <table border="1"> <thead> <tr> <th>PAPER 1</th> <th>PAPER 2</th> </tr> </thead> <tbody> <tr> <td>75 MARKS: 1½ Hours</td> <td>75 MARKS: 1½ Hours</td> </tr> <tr> <td>Question 1: 20% (Level 1)</td> <td>Question 1 = 20% (Level 1)</td> </tr> <tr> <td>Question 2: Finance</td> <td>Question 2: Maps and Plans</td> </tr> <tr> <td>Question 3: Data Handling</td> <td>Question 3: Measurements</td> </tr> <tr> <td>Questions 4 – 5: Integration of Finance, Data Handling and Probability.</td> <td>Questions 4 – 5: Integration of Maps & Plans and Measurements and Probability.</td> </tr> </tbody> </table>	PAPER 1	PAPER 2	75 MARKS: 1½ Hours	75 MARKS: 1½ Hours	Question 1: 20% (Level 1)	Question 1 = 20% (Level 1)	Question 2: Finance	Question 2: Maps and Plans	Question 3: Data Handling	Question 3: Measurements	Questions 4 – 5: Integration of Finance, Data Handling and Probability.	Questions 4 – 5: Integration of Maps & Plans and Measurements and Probability.
PAPER 1	PAPER 2																		
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Question 3: Data Handling	Question 3: Measurements																		
Questions 4 – 5: Integration of Finance, Data Handling and Probability.	Questions 4 – 5: Integration of Maps & Plans and Measurements and Probability.																		
Page no. in CAPS	Page 86 - 87	Page 87 – 88																	
% Term Curriculum Coverage	44.4%	55.6% (100%)																	
% Year Curriculum Coverage	3.2% (96.3%)	3.7% (100%)																	
Anticipated date of completion	04/10/2024	11/10/2024	25/10/2024		08/11/2024														
Actual date of completion																			
DH control Signature and date																			
Requisite pre-knowledge	Grades 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																		