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GAUTENG PROVINCE

GRADE 12 MATHEMATICAL LITERACY ANNUAL TEACHING PLAN (ATP) 2023-2026

TERM 1	Week 1: W: 2,9 %	Week 2: W: 7,2%	Week 3: W: 11,5 %	Week 4: W: 16 %	Week 5 W: 20,5 %	Week 6 W: 24,6 %	Week 7:W: 28,7 %	Week 8: W: 33,2%	Week 9: W: 35,6 %	Week 10: W: 37,7%	Week 11 W: 40 %
1. Daily Lesson preparations must be based on ATP for grade 12			2. Learners should be given at least four standardised activities per week (class/homework)				3. Educators should give learners weekly or monthly or short informal test for consolidation purpose				
CAPS Topic	**FINANCE**					**DATA HANDLING**			**PROBABILITY**	**FINANCE**	
Concepts, skills, and values	**Financial documents (2,9%):** • 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 (4,3%):** • Personal income tax, • Taxable & non-taxable income, • Rebates • UIF (maximum amount) • VAT (15%)	**Tariff systems: (4,3%):** (Compare 2 or more) • Electricity tariffs • Telephone tariffs • Municipal tariffs • Bank tariffs • Transport tariffs • Tables • Graphs • Formulae	**Income, Expenditures, Profit/Loss (4,5%):** (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 (4,5%):** • Cost of producing/ manufacturing • Appropriate selling price • Percentage profit • Break-even analysis: • (Determine break-even values from formulae and graphs)	**Developing questions (4,1%):** • National and global issues • Collecting data: • Develop and use • data collection instruments. (e.g., interview questions, questionnaires, recording sheets, etc.) • Classifying & Organising Data: • sort numerical and categorical data using categories and class intervals tallies and frequency tables.	**Summarising data (4,1%):** • Quartiles • Inter-quartile range • Calculate and analyse measures of central tendency and spread. • Percentiles	**Representing, Interpreting and Analysing data (4,5%):** • Pie charts • Histograms, bar graphs • Line& broken line graphs • Scatter plots • Box and whisker plots	**Probability (2,4%):** • 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 (2,1%)** • Hire Purchase/ residual/balloon • Loans • Interest rate, interest, repayment	**Banking (2,3%):** • Investments • Insurance Plans • (Interest, interest rate, charges, monthly payment) • **Inflation** • 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 assessm; 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/Breakeven analysis			Short tests on data – pie charts, histograms, line graphs, scatter plots and box and whisker				
SBA (Formal Assessment)	**INVESTIGATION AND CONTROLLED TEST**										

TERM 2	Week 1: W: 44,9%	Week 2: W: 50,1 %	Week 3: W: 54,9 %	Week 4: W: 59,7%	Week 5: W: 64,6%	Week 6: W: 70 %	Week 7: W: 70 %	Week 8 to 11 W: 70%
1. Daily Lesson preparations must be based on ATP for grade 12			2. Learners should be given at least four standardised activities per week (class/homework)			3. Educators should give learners weekly or monthly or short informal test for consolidation purpose		
CAPS Topic	**MEASUREMENT**				**MAPS, PLANS & OTHER REPRESENTATIONS OF THE PHYSICAL WORLD**		**REVISION**	**Internal Examinations**
Concepts, skills and values	**Conversions (4,9%)** • Conversion factors and tables • Metric to imperial and vice versa • °C to °F and vice versa **Time** • Timetables, Transport (Bus, Train, Taxi); Production e.g., building a house; Tide	**Perimeter and Area (5,2%)** • Length, distance, and time • Perimeter • Area **Note**: Cost calculations may apply to the above sections	**Volume and Surface area (4,8% + 4,8%)** • Surface area • Volume • Rate (speed, costing, etc.) • Mass(weight) **Note**: Cost calculations may apply to the above sections **BMI** • (Formulae for BMI = kg/m²) • Interpreting charts	**Scale (4,9%)** • 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	**Maps (5,4%)** • Grid reference • Compass directions • Slope on map	**Finance** • Data Handling • Measurements • Scale and Maps	**Notes on or guidelines for mid-year examinations – Two Papers** **PAPER 1: 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** **PAPER 2: 100 MARKS: 2 HOURS** **Question 1 = 20% (level 1)** **Question 2: Maps and Plans** **Question 3: Measurements** **Question 4 – 5: Integration of Maps & Plans and Measurements and Probability**
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 assessm; 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**							

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TERM 3	Week 1: W: 75,8 %	Week 2: W: 81,6 %	Week 3: W: 87,4 %	Week 4: W: 93,7 %	Week 5: W: 100%	Week 6 W: 100%	Week 7 W: 100%	Week 8 to 11
1. Daily Lesson preparations must be based on ATP for grade 12.	2. Learners should be given at least four standardised activities per week (class/homework).						3. Educators should give learners weekly or monthly short informal test for consolidation purpose.	
CAPS Topic	**MAPS, PLANS & OTHER REPRESENTATIONS OF THE PHYSICAL WORLD**					**REVISION**		**Preparatory Examinations**
Concepts, skills and values	**Plans (5,8% + 5,8% + 5,8%)** • 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 6,3% + 6,3%)** • Solving packaging problems • 3D scale models • 2D pictures (item arrangement, estimate material quantities)		• Finance • Data Handling • Probability	• Measurements • Maps and Plans • Probability	**Notes on or guidelines for Preparatory Examinations – Two Papers** **PAPER 1**: **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** **PAPER 2**: **150 MARKS: 3 HOURS** **Question 1 = 20% (Level 1)** **Question 2: Maps and Plans** **Question 3: Measurements** **Question 4 – 5:** **Integration of Maps & Plans and Measurements and Probability**
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 assessm; remediation	Worksheet on plans and models							
SBA (Formal Assessment)	**CONTROLLED TEST AND PREPARATORY EXAMINATION**							

TERM 4	Week 1	Week 2	Week 3	Week 4	Week 5 - 10
1. Daily Lesson preparations must be based on ATP for grade 12.	2. Learners should be given at least four standardised activities per week (class/homework).				3. Educators should give learners weekly or monthly or short informal test for consolidation purpose.
CAPS Topic	**REVISION**				**FINAL EXAMINATION**
Concepts, skills and values	• Finance • Data Handling • Measurements • Maps and Plans • Probability	• Finance • Data Handling • Measurements • Maps and Plans • Probability	• Finance • Data Handling • Measurements • Maps and Plans • Probability	• Finance • Data Handling • Measurements • Maps and Plans • Probability	**Notes on or guidelines for Final Examination – Two Papers** **PAPER 1**: **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** **PAPER 2**: **150 MARKS: 3 HOURS** **Question 1 = 20% (level 1)** **Question 2: Maps and Plans** **Question 3: Measurements** **Question 4 – 5:** **Integration of Maps & Plans and Measurements and Probability**
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 assessm; remediation	Revise Exemplar Papers and Previous NSC Question Papers				
SBA (Formal Assessment)	**No SBA Task for Term 4**				