**KWAZULU-NATAL PROVINCE**
EDUCATION
REPUBLIC OF SOUTH AFRICA

_____DISTRICT

**MATHEMATICAL LITERACY**
**ANNUAL TEACHING PLAN**
**GRADE 10**
**2025**

**NAME OF EDUCATOR:** _____

**NAME OF SCHOOL:** _____

- **NB: This ATP must be used together with the CAPS document.**
- **Daily Lesson plans should be based on ATP.**
- **Learners should be given at least FIVE activities per week (e.g., class/homework).**
- **Educators should administer INFORMAL TESTS for consolidation purposes.**
- **Tick the BULLET BOX after you complete teaching each skill.**

KWAZULU-NATAL PROVINCE
EDUCATION
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# GRADE 10    MATHEMATICAL LITERACY ANNUAL TEACHING PLAN (ATP)    2025

## 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:** ☐ Decimal point/comma; thousand separators (1000, 1000 000, etc.). ☐ Positive and negative numbers in contexts; conversions between number formats (e.g., dozen, over, century, etc.) | **Operations:** ☐ Operations with whole numbers and decimals with and without a calculator (BODMAS) ☐ Use a calculator to find a square, cube, or square root of a number. ☐ Operations with fractions | **Rounding, Ratio, Rates and Percentage:** ☐ Rounding, Ratio, Rates, Direct and Inverse proportion, Percentages ☐ Rounding-off: to a specified number of decimal places, to the nearest whole number, up or down ☐ Ratios: situations, formats and calculations ☐ Rates: meaning, types and calculations ☐ Percentage: notation and calculations ☐ Percentage increase and decrease calculations | | **Patterns & Relations:** ☐ Patterns and relationships: ☐ Constant, Direct proportion and inverse proportion relationships. ☐ Tables with input and output values | **Pattern and relationship representations:** ☐ 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 | | ☐ Developing questions. ☐ Collecting data ☐ Classifying and organizing data. ☐ Summarising data. – Mean – Median – Mode – Range ☐ Analyse data represented by the above | | ☐ Number and Calculations with numbers ☐ Patterns Relations and Representations ☐ Data Handling<br><br>**ONE PAPER ONLY**<br>**75 MARKS: 1½ Hours**<br>**Question 1: 20% (Level 1)**<br>**Questions 2 to 5: Integration of term one topics** | |
| 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 | 17/01/2025 | 24/01/2025 | 07/02/2025 | | 14/02/2025 | 28/02/2025 | | 14/03/2025 | | | |
| 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<br>CAPS Aligned Textbooks<br>Examination Guidelines<br>Calculators<br>Any other relevant resources | | | | | | | CAPS<br>NEWSPAPERS and DATA BASES/SOURCES<br>CAPS Aligned Textbooks<br>Examination Guidelines<br>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 | | | | | | | | | | |

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# 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:**<br>☐ Household bills<br>☐ Shopping doc<br>☐ Banking doc<br>☐ Household Budget, The terminology used in the above document, | **Tariff systems:**<br>☐ Municipal tariff<br>☐ Telephone tariff<br>☐ Transport tariff<br>☐ Bank fees<br>Calculate:<br>☐ Cost using tariff and /or formula,<br>☐ Draw & interpret graphs of various tariffs system | **Conversions:**<br>☐ Metric system<br>☐ Conversion using factors/tables.<br>☐ Time formats conventions/conversion (sec – min – hours – days – weeks – months – years – decade) | **Measuring & estimating:**<br>☐ Length<br>☐ Distance<br>☐ Weight/mass<br>☐ Volume<br>☐ Temperature<br>☐ Time<br>Calculate costs of products and services. | **Scale:**<br>☐ Use Scale in the form: 1: 500 and bar scales to: Calculate the actual distance and length from the given map/plan measurements. | **Maps:**<br>☐ Describe the position of an object (e.g., building) in relation to its surroundings.<br>☐ Describe the position of a building) in relation to surrounding buildings.<br>☐ Find location, Follow & develop directions.<br>☐ Direction indicators (left, right, along, up, down, etc.)<br>☐ House building numbering<br>☐ Numbering system used for sitting in sports stadiums | | **Probability Expression and Representation**<br>☐ Expression of probability<br>☐ Events and outcomes/results<br>☐ Prediction<br>☐ Relative frequency and theoretical probability of an event.<br>☐ Tree diagrams and Two-way tables | **REVISION AND MID-YEAR EXAM**<br><br>**PAPER 1** — **50 MARKS: 1 Hour**<br>Question 1: 20% (level 1)<br>Question 2: Finance<br>Question 3: Data Handling<br>Questions 4 – 5: Integration of Finance, Data Handling and Probability.<br><br>**PAPER 2** — **50 MARKS: 1 Hour**<br>Question 1: 20% (level 1)<br>Question 2: Maps and Plans<br>Question 3: Measurements<br>Questions 4 – 5: Integration of Maps & Plans and Measurements and Probability.<br><br>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. | | |
| 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 | 11/04/2025 | 17/04/2025 | 25/04/2025 | 09/05/2025 | 16/05/2025 | 30/05/2025 | | 06/06/2025 | | 27/06/2024 | |
| 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:<br>☐ Household bills (electricity, water, telephone, cell phone)<br>☐ Shopping documents (till slips, account statements)<br>☐ Banking documents (bank statements, fee structures)<br>☐ Household budgets<br>☐ Transport tariffs | Financial documents and tariff rates of:<br>☐ Household bills (electricity, water, telephone, cell phone)<br>☐ Shopping documents (till slips, account statements)<br>☐ Banking documents (bank statements, fee structures)<br>☐ Household budgets<br>Salary slips<br>Fees brochures<br>Websites:<br>☐ www.taxshop.co.za<br>☐ www.ptracticalvatloosleaf.co.za | **Measuring instruments:**<br>☐ Ruler<br>☐ Tape measure<br>☐ Baking measures (spoons/cups)<br>**Relevant sources:**<br>☐ Baking recipes<br>☐ Conversion tables<br>☐ Plans of school/house | **Measuring instruments:**<br>☐ Thermometer<br>☐ Kitchen/bathroom scale<br>☐ Baking measures (spoons/cups)<br>**Relevant sources:**<br>☐ Baking recipes<br>☐ Conversion tables<br>☐ Plans of school/house | ☐ Street maps<br>☐ Provincial and national road maps<br>☐ Maps showing railway routes.<br>☐ Maps of the layout of shopping centres<br>Seating plans for cinemas/sports fields | ☐ Street maps<br>☐ Provincial and national road maps<br>☐ Maps showing railway routes.<br>☐ Maps of the layout of shopping centres<br>☐ Seating plans for cinemas/sports fields | | ☐ Coins and Dice<br>☐ Games involving coins and dice.<br>☐ Deck of cards<br>☐ 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 CONTROLLED TEST | | | | | | | | | | |

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# 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:**<br>☐ Perform calculations involving all of the above.<br>☐ Identify fixed, variable and occasional income and expenditure values from financial documents.<br>☐ Analyse and prepare income – and – expenditure statements and budgets. | | **Interest:**<br>☐ Distinguish between interest rate and interest.<br>☐ Calculate interest and interest rate (without the use of a formulae)<br>☐ Taxation<br>☐ Determine VAT in the context of shop purchases, till slips and bills.<br>☐ Calculate VAT inclusive/exclusive prices. | **Banking, loans and investments.**<br>☐ Understand terminology in the banking documents.<br>☐ Determine bank charges for different bank account types.<br>☐ Draw graphs from given bank charges. | | **Perimeter and Area:**<br>Calculate:<br>☐ Perimeter and Area of rectangles, triangles and circles (quarter, semi and three-quarters) using provided formulae.<br>☐ Cost of products<br>☐ Solve problems and complete tasks/projects. | | **Plans:**<br>☐ Floor plans and design:<br>- Understand the symbol and notation used on plans.<br>- Describe what is being represented.<br>- Analyse the layout shown in the plan and suggest an alternative layout option.<br>- Determine the actual length of plans using measurements and the given scale.<br>- Determine the quantity of material needed by using the plan's perimeter, area and volume calculations.<br>- Draw 2D floor plans for familiar structures.<br>☐ Assembly diagrams<br>☐ Models<br>- Packaging of cams and/or boxes for optimal use of space<br>☐ Determine the most cost-effective way of packaging a number of cans and/or boxes | | ☐ Finance<br>☐ Measurements<br>☐ Maps and Plans<br>☐ Probability<br><br>**ONE PAPER ONLY**<br>**75 MARKS: 1½ Hours**<br>**Question 1: 20% (Level 1)**<br>**Question 2: Finance**<br>**Question 3: Measurement**<br>**Question 4: Maps and Plans**<br>**Question 5: integration of Finance, Measurement and Maps and Plans.** | |
| 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 | 25/07/2025 | | 01/08/2025 | 15/08/2025 | | 29/08/2025 | | 12/09/2025 | | 03/10/2025 | |
| 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 | ☐ Personal Income: salaries, wages & commission; gifts & pocket money; bursaries and loans; savings; interest; inheritance<br>☐ Personal Expenditure:<br>☐ Living expenses; accounts; telephone; fees; insurance; personal taxes; loan repayments; taxes | | ☐ Bank statements, account statements, invoices, quotations, etc. | ☐ Bank statements, account information brochures, etc.,<br>☐ CAPS Aligned Textbooks<br>☐ Examination Guidelines<br>☐ Calculators | | Measuring instruments:<br>☐ Ruler<br>☐ Tape measure<br>☐<br>Different shapes in classroom and real-life context E.g., Shoebox<br>Pringle holders<br>Toilet roll<br>Different copies of nets | | ☐ Floor plans and design<br>- Familiar structure (e.g., classroom, room in a house, bedroom or lounge)<br>☐ Models<br>- 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 | | | | | | | |

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## TERM 4

| TERM 4 | Week 1 | Week 2 | Week 3 | Week 4 | Week 5 – 10 |
|---|---|---|---|---|---|
| CAPS Topic | DATA HANDLING | REVISION | | REVISION | Internal Examinations |
| Concepts, skills, and values | **DATA HANDLING:** Representing data <br> ☐ Pie chart (Interpretation only) <br> ☐ Histogram <br> ☐ Single bar graph <br> ☐ Line and broken line graph <br><br> **DATA HANDLING:** <br> ☐ Analyse data represented by the graphs done in the previous week. | ☐ FINANCE <br> ☐ DATA HANDLING <br> ☐ PROBABILITY | | ☐ MEASUREMENT <br> ☐ MAPS, PLANS AND OTHER REPRESENTATIONS OF THE PHYSICAL WORLD <br> ☐ PROBABILITY | Notes on or guidelines for final examinations: <br> **FINAL EXAMINATION (two papers)** <br><br> See table below |
| Page no. in CAPS | Page 86 - 88 | | | | |
| % Term Curriculum Coverage | 55.6% (100%) | | | | |
| % Year Curriculum Coverage | 3.7% (100%) | | | | |
| Anticipated date of completion | 17/10/2025 | 31/10/2025 | | 07/11/2025 | |
| 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 <br> CAPS Aligned Textbooks <br> Examination Guidelines <br> Calculators | | | | |
| Informal assessment; remediation | Short test on Data (all concepts) | | | | |
| SBA (Formal Assessment) | No SBA Task | | | | |

| 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. |

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