MATHEMATICAL LITERACY

Dear Grade 12 Mathematical Literacy learner

Mathematical Literacy is intended to equip you with the knowledge and skills you need in dealing with real-life problems. The skills and knowledge you will master are drawn from the pure Mathematical knowledge you learned in previous grades. Real-life problems you may encounter are organised into FIVE topics, namely:

- finance
- measurement
- maps, plans and other representations of the physical world
- data handling and
- probability.

Subject Requirements

- A textbook and exam study guide
- A calculator

Content Checklist

The checklist below gives a summary of content you will cover in each of the topics.

1. Finance

- Financial documents
- Tariff systems
- Income/expenditure, profit/loss, budgets, income and expenditure statements
- Cost price and selling price
- Break-even analysis
- Interest
- Banking, loans and investments
- Inflation
- Taxation
- Exchange rates

2. Measurement

- Unit conversions
- Length
- Weight
- Perimeter
- Area
- Volume
- Temperature
- Time

3. Maps, plans and other representations of the physical world

- Maps
- Scale
- Plans
- Models

4. Data handling

- Data collection
- Data classification
- Data organisation
- Summarising data
- Data representation
- Interpret and analyse data

5. Probability

- Expressions of probability
- Prediction
- Probability of simple events
- Probability of compound events

Assessment

Throughout the year you will complete a minimum of SIX assessment tasks. Marks obtained in these tasks make up your final school-based assessment (SBA) mark. The SBA mark makes 25% of your final mark in the subject. The remaining 75% comes from your external exam mark.

SCAN ME!
Mathematical Literacy Overview

TERM	GRADE 12	
1	Investigation	Minimum of 50 marks for each task
	Control Test 1	Minimum of 50 marks
2	Assignment	Minimum of 50 marks
	Paper 1 2 hours (100 marks)	Paper 2 2 hours (100 marks)
3	Control Test 2	Minimum of 50 marks
	PRELIM EXAMINATION	
	Paper 1 3 hours (150 marks)	Paper 2 3 hours (150 marks)
4	**EXTERNAL EXAMINATIONS**	
	Paper 1 3 hours (150 marks)	Paper 1 3 hours (150 marks)
Total: SBA + External examination = 400		

Examinations

Mathematical Literacy examinations consist of two papers (150 marks each). For both papers, about 30% of questions (45 marks) are all easy questions and test your ability to perform basic mathematical calculations in familiar context. 30% of the remaining questions test your ability to do 2-step or 3-step context-based questions. The rest, 40%, of the questions will test your ability to use mathematical and non-mathematical knowledge to solve problems in both familiar and non-familiar contexts as well as to reason + reflect.

Paper 1: The following context are covered in paper 1: Finance, Data and Probability.

Paper 2: The following context are covered in paper 2: Measurement, Maps and Plans and Probability.

PAPER 1	PAPER 2
Finance 60% (±5) Data Handling 35% (±5) Probability 5% Including Growth Charts (CAPS page 65) assesses application of measures of spread in data handling.	'Maps, plans and other representation of the physical world 40% ((±5) Measurement 55% (±5) Probability 5% Including (Income, Expenditure, Profit/loss, Income-and-Expenditure statements and Budgets, Cost price and Selling price) where there is direct link to Measurement and Maps and Plans.
Question 1: 30 marks ± 5 marks Level 1 questions from Finance and Data Handling **Question 2:** Finance **Question 3:** Data Handling **Question 4:** Integrated contexts on Finance and Data Handling Including Growth Charts (CAPS page 65) assesses application of measures of spread in data handling. **Question 5**: **Finance, data handling or integrated question** **Probability** will be examined in the context of one or more of the other questions. Each question can contain more than one context.	**Question 1:** 30 marks ± 5 marks Level 1 questions from Measurement and Maps, plans **Question 2:** 'Maps and plans **Question 3:** Measurement **Question 4:** Integrated context on 'Measurement and Maps and plans Including (Income, Expenditure, Profit/loss, Income-and-Expenditure statements and Budgets, Cost price and Selling price) where there is direct link to Measurement and Maps and Plans. **Question 5: Measurement, maps and plans or integration** **Probability** will be examined in the context of one or more of the other questions. Each question can contain more than one context.
N.B: EACH PAPER MAY HAVE 4 OR 5 QUESTIONS	