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
- 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
 Temper
- Temperature
 Time
- nine

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

- Maps
- Scale
- PlansModels

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 SEVEN 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.

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	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 examination 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.

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