

WHAT WILL MATHEMATICAL LITERACY LEARNERS LEARN?

Learners of Mathematical Literacy will learn how to:

- Use a basic calculator.
- Perform basic arithmetical operations.
- Work with relationships between arithmetical operations.
- Work with simple formulae, including formulae for:
 - perimeter; area and volume; and
 - speed; and time.
- Estimate and check estimates against the situation.
- Work with and apply the concepts:
 - ratio/proportion and percentage and
 - rate.
- Determine input and output values for formulae (solve equations).
- Determine and plot the points for different graphs.
- Interpret information and trends communicated through graphs.
- Measure lengths, distances, volumes and mass (weight).
- Convert between units of measurement.
- Draw and interpret scale drawings.
- Use grids, scales and maps.
- Collect information to answer questions.
- Organise data using tallies and tables.
- Summarise data using the measures:
 - mean, median and mode.
- Represent data using various data graphs, including pie charts, histograms and bar graphs.
- List the possible outcomes of an event.
- Estimate the likelihood of different outcomes.
- Critique interpretations of data.
- Formulate questions.
- Round up, round down and round off.
- Describe trends.
- Work with linear and constant relationships.
- Distinguish between piecewise and continuous relationships.
- Read and interpret information presented in tables.
- Anticipate the impact of interest.

So that they are able to:

- Plan personal finances including:
 - understanding income and expenditure to plan a basic budget
 - recognising the impact of interest rates.
- Calculate profit margins, loss and breakeven points in simple transactions.
- Plan and schedule events to meet deadlines and demands.
- Make sense of utility costs such as water, electricity, sewerage and rates.
- Develop a business plan.
- Choose between different options based on their value for money.
- Critique articles and advertisements in the media based on data and illustrated through graphs.
- Make lifestyle choices, such as the food they should eat in relation to the energy they use in their day-to-day lives.
- Calculate and interpret health indicators, such as Body Mass index (BMI).
- Plan for the repayment of a loan and anticipate associated bank costs.
- Sort and classify items according to criteria.
- Read maps to plan trips.
- Read and develop plans for simple structures.
- Understand the role and purpose of the gears on a bicycle.
- Calculate the time it takes to complete a journey.
- Convert between currencies.
- Anticipate which seats in the stadium will give the best view of the game.
- Predict all the possible outcomes of a sports tournament and anticipate the most likely winner.
- Understand that games of chance have no patterns.
- Develop arguments based on facts and the interpretations of facts.
- Use resources in economical and responsible ways.