



IEB MATHEMATICS

MATHEMATICAL LITERACY

What is Mathematical Literacy?

The competencies developed through Mathematical Literacy allow individuals to make sense of, participate in, and contribute to the twenty-first century world – a world characterised by numbers, numerically based arguments and data represented and misrepresented in a number of different ways. Such competencies include the ability to reason, make decisions, solve problems, manage resources, interpret information, schedule events and use and apply technology. Learners must be exposed to both mathematical content and real-life contexts to develop these competencies. Mathematical content is needed to make sense of real-life contexts; on the other hand, contexts determine the content that is needed.

The subject Mathematical Literacy should enable the student to become a self-managing person, a contributing worker and a participating citizen in a developing democracy. The teaching and learning of Mathematical Literacy should thus provide opportunities to analyse problems and devise ways to work mathematically in solving such problems. Opportunities to engage mathematically in this way will also assist students to become astute consumers of the mathematics reflected in the media. The subject is recognised by Universities and contributes equal points.

CORE MATHEMATICS

Mathematics in the Further Education and Training Phase forges the link between the Senior Phase and the Tertiary Education band. All students passing through this phase acquire knowledge of the Mathematics that empowers them to make sense of society.

Students should be exposed to mathematical experiences that give them many opportunities to develop their mathematical reasoning and creative skill in preparation for more abstract mathematical Tertiary Education institutions.

Topics covered: Algebra, Sequences, Finance, Functions and Graphs, Differential Calculus, Probability, Statistics, Analytic Geometry, Trigonometry, Euclidean Geometry.



World Class Education. Unlocking the Future.

We offer both Cambridge and IEB curriculum and examinations.

college@summerhill-school.co.za | MAIN OFFICE & ADMISSIONS: (011) 468 5986

www.summerhill-school.co.za