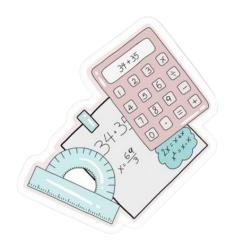
School Subjects Introduction Mathematics Module 1 (Calculus and Statistics) & Module 2 (Algebra and Calculus)

I. Curriculum Structure

The curriculum comprises a Compulsory Part and an Extended Part. In order to broaden students' opportunities for further study and work, two modules in the Extended Part are provided to achieve the purpose. These two modules are designed for students who wish to:

- ✓ further their studies in areas which require more mathematics; or
- ✓ engage in fields such as natural sciences, computer sciences, technology or engineering.

Module 1 (Calculus and Statistics) focuses on statistics and the application of mathematics. It is designed for students who will participate in study and work which require a wider and deeper knowledge of the application of mathematics, in particular, statistics.



Module 2 (Algebra and Calculus) focuses on more advanced mathematics concepts. It aims to prepare students for career in a mathematics-related discipline.

Extended Part (Module 1)	Extended Part (Module 2)
Foundation knowledge	Foundation knowledge
Differentiation and its applications	More about Trigonometry
Integration and its applications	Limits and Differentiation
Further probability	Application of Differentiation
Binomial, Poisson and Geometric	 Indefinite Integration and its
distributions and their applications	application
Normal distribution and its	Definite Integration and its
applications	application
Point and interval Estimation	 Matrices and Determinants
Further learning unit	Systems of linear equations
	 Vectors and its application
	Further learning unit

II. Assessment Module 1 (Calculus and Statistics) / Module 2 (Algebra and Calculus)

	Component	Weighting	Duration
Public Examination	Conventional questions	100%	2.5 hours