Additional Mathematics 10

Time: 6 x 35 minutes per week

Course Description:
The Grade 10 Additional Mathematics course is aimed at building on the skills, knowledge, and understanding that students gained in previous years. It is a continuation of a two-year course which started in Grade 9. The content is abstract in nature and challenges students. Particular emphasis is placed on logical reasoning, problem-solving skills and the ability to think in abstract ways. Students are being prepared to sit the IGCSE Additional Mathematics examinations at the end of the academic year.

Resources:
Yeo, Joseph, Teh, Keng Seng, Loh, cheng Yee and Chow, Ivy, New Syllabus Additional Mathematics (9th Edition), Shingle Publishers, Singapore
Yeo, Joseph, Teh, Keng Seng, Loh, cheng Yee and Chow, Ivy, New Syllabus Additional Mathematics Workbook (9th Edition), Shingle Publishers, Singapore

Main Topics Covered:

Semester 1

- Functions
- Matrices
- Permutations and Combinations
- Binomial Expansions
- Differentiation and Its Applications
- Integration

Semester 2

- Applications of Integration
- Vectors
- Relative Velocity
- Revision for Mock Examination
- Revision for IGCSE Examination

Assessment

Internal Assessment	Weighting
- End of Semester Examinations (SA1 + SA2) - Continual Assessment (CA1 + CA2 + CA3) including: - Topic tests - Class work - Homework NB. Reports are issued at the end of quarters 1 and 2 and early in quarter 4.	25 + 60 5 + 5 + 5
	100