

Mathematics 10

Time: 6 x 35 minutes per week

Course Description:

The grade 10 mathematics course further develops the skills, knowledge and understanding of concepts studied in previous years. Particular emphasis is placed on logical reasoning, problem-solving skills and the ability to think in abstract ways. Grade 10 students are being prepared to sit for their IGCSE examinations at the end of grade 10.

Resources:

**Ann Lui Yin Leng, Discovering Mathematics 3A, 3B , 4A & 4B , 2011
IGCSE Math Syllabus 2017**

Main Topics Covered:

Semester 1

Quarter 1

- Algebra (Indices and Sequences)
- Matrices & Transformations
- Vectors in Two Dimensions

Quarter 2

- Probability
- Statistics

Semester 2

- Number Revision
- Algebra & Graphs Revision
- Geometry Revision
- Mensuration Revision
- Co-ordinate Geometry Revision
- Trigonometry Revision
- Matrices and Transformations Revision
- Probability Revision
- Statistics Revision

Assessment

Internal Assessment	Weighting
<ul style="list-style-type: none"> • End of Semester Examinations (SA1 + SA2) • Continual Assessment (CA1 + CA2 + CA3) including: <ul style="list-style-type: none"> - Topic tests - Quizzes - Class work - Homework <p>NB. Reports are issued at the end of quarters 1 and 2 and early in quarter 4.</p>	<p>25 + 60 5 + 5 + 5</p>
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