



COMMONWEALTH SECONDARY SCHOOL
DEPARTMENT OF MATHEMATICS
SECONDARY TWO (EXPRESS) MATHEMATICS
COURSE OUTLINE 2018

SCHEDULE FOR INSTRUCTION

Tentative Timeline	Topics
Term 1 Week 2 – 3	Chapter 2: Linear Graphs and Simultaneous Linear Equations
Term 1 Week 4 – 5	Chapter 3: Expansion and Factorisation of Quadratic Expressions
Term 1 Week 6 – 8	Chapter 4: Further Expansion and Factorisation of Algebraic Expressions
Term 1 Week 9 – 10	Chapter 5: Quadratic Equations and Graphs
Term 2 Week 1 – 4	Indices and Standard Form (From Sec 3)
Term 2 Week 5	Chapter 6: Algebraic Fractions and Formulae
Term 2 Week 6 – 8	Mid-year Examination
Term 2 Week 9	Chapter 6: Algebraic Fractions and Formulae
Term 2 Week 10	Chapter 1: Direct and Inverse Proportion
Term 3 Week 1	Chapter 8: Pythagoras' Theorem
Term 3 Week 2 – 3	Chapter 9: Trigonometric Ratios
Term 3 Week 4 – 5	Chapter 10: Volume and Surface Area of Pyramids, Cones and Spheres
Term 3 Week 6 – 7	Chapter 12: Statistical Diagrams
Term 3 Week 8 – 9	Chapter 13: Averages of Statistical Data
Term 3 Week 10	Chapter 11: Probability of Single Events
Term 4	Revision & End-of-year Examination

TEACHERS:

S2/5:	Ms Kelly Zhang	kelly.zhang@commonwealthsec.moe.edu.sg
S2/6:	Ms Kelly Zhang	kelly.zhang@commonwealthsec.moe.edu.sg
S2/7:	Mrs Ang Yee May	wong.yeemay@commonwealthsec.moe.edu.sg
S2/8:	Mr Rizman Bin Hassan	rizman.hassan@commonwealthsec.moe.edu.sg

REFERENCES**Basic text:**

Shing Lee New Syllabus Mathematics 7th Edition

Other references:

- Cambridge GCE O Level Mathematics 4048 Syllabus
- Additional hand-outs will be provided to supplement the textbook where necessary

ASSESSMENT**(i) Components of Assessment**

CA1 (10%)	SA1 (25%)	CA2 (20%)		SA2 (45%)
Quiz	Mid-Year Examination	Quiz	Alternative Assessment	End-of-Year Examination
10%	25%	10%	10%	45%

(ii) Details of Assessment**Continual Assessment (CA)**

S/N	Assessment Component	Tentative Timeline	Format
1	Topical Quiz	After every topic	Duration: 10 to 15 min
2	Alternative Assessment	Term 2 - 3	Individual work or group work Duration: 2 – 5 hours

Semestral Assessment (SA)

S/N	Assessment	Tentative Timeline	Format
1	Mid-Year Examination	Term 2 Week 6 - 8	Paper 1 (50%) Duration: 1 h 30 min Marks: 60 Type: Short questions
2	End-of-Year Examination	Term 4 Week 3 - 5	Paper 2 (50%) Duration: 1 h 30 min Marks: 60 Type: Long questions