



Guangyang Secondary School
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Semestral Plan for Sec 4 Express Additional Mathematics 2021

The document captures the curriculum and assessment plan for Sec 4 Express for the year.

1 Curriculum Plan

Tentative Week	Topics to cover
Term 1 Week 1	Consolidation of chapter 10 and chapter 11
Term 1 Week 2	Chapter 6 – Binomial Theorem [Common Last Topic – 2020]
Term 1 Week 3	Chapter 9 – Applications of Straight Line Graphs [Common Last Topic – 2020]
Term 1 Week 4 – 5	Chapter 12 – Differentiation
Term 1 Week 6 – 8	Chapter 13 – Tangents, Normal and Rates of Change
Term 1 Week 9 – 10	Chapter 14 – Maxima and Minima
Term 1 Week 10	Wealth Week
13 March to 21 March	March Holidays
Term 2 Week 1 – 2	Chapter 15 – Differentiation of Trigonometric, Exponential and Logarithmic Functions
Term 2 Week 3 – 4	Chapter 16 – Integration
Term 2 Week 5 – 6	Revision
Term 2 Week 7 – 8	Mid-Year Examinations
Term 2 Week 9	Go through examination papers / Chapter 17 – Applications of Integration
Term 2 Week 10	Mother Tongue Intensive Coaching
29 May to 27 June	June Holidays
June Holidays Week 1	June Holiday Supplementary Programme Chapter 18 – Kinematics
Term 3 Week 1 – 2	Chapter 19 – Plane Geometry
Term 3 Week 3 – 8	Revision
Term 3 Week 9 – 10	Preliminary Examination
4 September to 12 September	September Holidays
Term 4 Week 1	Preliminary Examination
Term 4 Week 2 – 5	Revision
Term 4 Week 6	O Level Examination

Syllabus for GCE O Level Mathematics (Subject code: 4049) can be retrieved from SEAB website: <https://www.seab.gov.sg/home/examinations/gce-o-level>

2 Assessment Plan

CA1: Term 1 Class Tests

SA1: 30% (Mid-year Exam)

SA2: 70% (Preliminary Exam)

Assessment Components	Tentative Date	Topics covered
Class test 1	Term 1 Week 7	<ul style="list-style-type: none">• Sec 3 – Chapter 10, 11• Sec 4 – Chapter 6
Mid-Year Exam	Term 2 Week 7- 8	<ul style="list-style-type: none">• Sec 3 to 4 topics
Preliminary Exam	Term 3 Week 9 – Term 3 Week 10	<ul style="list-style-type: none">• Sec 3 to 4 topics
GCE 'O' Level Exam	From Term 4 Week 7	<ul style="list-style-type: none">• Sec 3 to 4 topics

Mid-Year and Preliminary Exam Format

Paper	Weightage	Duration	Remarks
Paper 1	50%	2 h 15 min	<ul style="list-style-type: none">• All topics• 2 h 15 min• 90 marks• There will be 12 – 14 questions of varying marks and lengths, up to 10 marks per question.• Spaces will be provided in each question paper for working and answers.
Paper 2	50%	2 h 15 min	<ul style="list-style-type: none">• All topics• 2 h 15 min• 90 marks• There will be 9 – 11 questions of varying marks and lengths, up to 12 marks per question.• Spaces will be provided in each question paper for working and answers.

3 Absence from tests

- (a) Medical certificates must be produced if student is absent for the test.
- (b) Parent's letter is strongly discouraged and its validity will be approved based on a case-by-case basis.
- (c) Absence from any test without a valid reason will result in zero mark for the test.
- (d) Do note that student will have to do a make-up test on the day he/she returns to school.

With this information, we hope all students will better prepare themselves for the heavy academic demands this year.

Do feel free to contact the respective mathematics teachers should further clarification be needed on this matter.

Class	Subject Teachers
4E1	Mrs Ling-Seet Soo Huay
4E2	Mr Sunny Chan / Mrs Lee-Tan Yue Yun