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Semestral Plan for Sec 3 Normal (Technical) Mathematics 2022

The document captures the curriculum and assessment plan for Sec 3 Normal (Technical) Mathematics for the year.

1 Curriculum Plan

Tentative Week	Topics to cover
Term 1 Week 1 – 3	Chapter 1 – Indices and Standard form
Term 1 Week 4 – 5	Chapter 3 – Algebraic Expansion, Fractions and Expression for the n^{th} Term of a Number Sequence
Term 1 Week 6	Revision for Term 1 Weighted Assessment (WA1) + Term 1 Weighted Assessment (WA1)
Term 1 Week 7 – 8	Chapter 3 – Algebraic Expansion, Fractions and Expression for the n^{th} Term of a Number Sequence
Term 1 Week 9 – 10	Chapter 4 – Factorisation & Formulas
12th to 20st March	MARCH HOLIDAYS
Term 2 Week 1	Chapter 4 – Factorisation & Formulas
Term 2 Week 2 – 3	Chapter 2 – Scales and Maps
Term 2 Week 4	Revision for Term 2 Weighted Assessment (WA2)
Term 2 Week 5	Term 2 Weighted Assessment (WA2)
Term 2 Week 5 – 6	Chapter 5 – Arc Lengths and Sector Areas
Term 2 Week 7 – 10	Chapter 6 – Pyramids, Cones and Spheres
28th May to 26th June	JUNE HOLIDAYS
Term 3 Week 1	Chapter 6 – Pyramids, Cones and Spheres
Term 3 Week 2 – 3	Chapter 7 – Cumulative Frequency
Term 3 Week 4	Revision for Term 3 Weighted Assessment (WA3) + Term 3 Weighted Assessment (WA3)
Term 3 Week 5 – 6	Chapter 8 – Graph of Linear Equations
Term 3 week 7 – 9	Chapter 9 – Simultaneous Linear Equations
Term 3 Week 10	Revision
3rd to 11th Sept	SEPTEMBER HOLIDAYS
Term 4 week 1 – 2	Revision
Term 4 week 3 – 4	End-of-Year Examination (EYE)
Term 4 week 5 – 7	Going through End-of-Year Exam papers Last day of school: 28th Oct 2022

Syllabus for GCE N Level Mathematics Syllabus T (Subject code: 4046) can be retrieved from SEAB website:

https://www.seab.gov.sg/docs/default-source/national-examinations/syllabus/nlevel/2023syllabus/4046_y23_sy.pdf

2 Assessment Plan

Component of Weighted Assessments:

- Weighted Assessments (WA)
- End-of-Year Examination (EYE)

Semester	Semester 1		Semester 2	
Term	Term 1	Term 2	Term 3	Term 4
Types of Assessment	WA 1	WA 2	WA3	End-of-Year Examination
Weightage	15%	15%	15%	55%
Tentative Week	Term 1 Week 6	Term 2 Week 5	Term 3 Week 4	Term 4 Week 3 - 4
Topics Covered	<ul style="list-style-type: none"> • Sec 3 - Chapter 1 & part of Chapter 3 • Sec 1 topics • Sec 2 – Chapter 2 & 3 	<ul style="list-style-type: none"> • Sec 3 - Chapter 1 to 4 • Sec 1 topics • Sec 2 – Chapter 2, 3, 10 	<ul style="list-style-type: none"> • Sec 3 - Chapter 5, 6 & 7 • Sec 1 topics • Sec 2 – Chapter 2, 3, 10, 12 	Refer to EYE Exam Format
Assessment Mode	Written			

* Various modes of formative assessments (quizzes, exit tickets, journal writing, project work, etc) are conducted regularly to assess students' learning progress.

Sec 1 topics that are included in assessments:

- Chapter 1: Numbers
- Chapter 2: Four Operations
- Chapter 3: Ratio
- Chapter 4: Percentages

Sec 2 topics that are included in assessments:

- Chapter 2: Linear algebraic manipulation
- Chapter 3: Linear equations in one variable
- Chapter 10: Data analysis
- Chapter 12: Prisms and cylinders

End-of-Year Exam Format

SA	Weightage	Guidelines
Paper 1	50%	<ul style="list-style-type: none">• Calculator allowed• Duration: 1hr 15mins• 40 Marks• Chapter examinable:<ul style="list-style-type: none">- Selected Sec 1 & 2 topics- Sec 3 topics (Chapters 1 – 9)- Problems in Real World Context• Answer all questions in spaces provided
Paper 2	50%	<ul style="list-style-type: none">• Calculator allowed• Duration: 1hr 15mins• 40 Marks• Chapter examinable:<ul style="list-style-type: none">- Selected Sec 1 & 2 topics- Sec 3 topics (Chapters 1 – 9)- Problems in Real World Context• Answer all questions in spaces provided

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 academic demands this year.

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

3T Group 1: Mr Daryl Chong

3T Group 2: Mr Tan Tai Ngah