St. John's Senior School

Subject: Pure Mathematics   **Form: L6th**
Teacher: Andrew Chen   **Term: Autumn 2023**

WEEK	WEEK BEGINNING	TOPIC
1	4th September	Baseline Test Algebraic Expressions Quadratics Equations and Inequalities
2	11th September	Radians Trigonometric Ratios Trigonometric Identities and Equations
3	18th September	Trigonometric Functions Trigonometry and modelling
4	25th September	Sequences and series Graph Transformation
5	2nd October	**MINI-TEST** Functions and graphs
6	9th October	Algebraic Methods Numerical Methods
7	16th October	Equations of Lines and Circles Binomial Expansion
		HALF - TERM
8	30th October	Differentiation
9	6th November	Differentiation
10	13th November	Integration
11	20th November	Integration
12	27th November	Integration
13	4th December	Vectors

St. John's Senior School

Subject: Applied Mathematics   **Form: L6th**
Teacher: A Chen   **Term: Spring 2024**

WEEK	WEEK BEGINNING	TOPIC
1	3rd January (Wednesday)	**MOCK EXAMINATIONS**
2	8th January	**MOCK EXAMINATIONS**
3	15th January	Measures of Location and Spread Representations of Data
4	22nd January	Conditional Probability
5	29th January	Statistical Distribution Hypothesis Testing
6	5th February	Correlation and Regression
	HALF - TERM	
7	19th February	Normal Distribution Data Collection
8	26th February	Constant Acceleration Projectiles
9	4th March	Variable Acceleration Forces and motions
10	11th March	Forces and motions
11	18th March	Moments

St. John's Senior School

Subject: Pure and Applied Mathematics   **Form: L6th**
Teacher: A Chen   **Term: Summer 2024**

WEEK	WEEK BEGINNING	TOPIC
1	16th April (Tuesday)	Revision and practice sections for Pure Mathematics
2	22nd April	Revision and practice sections for Pure Mathematics
3	29th April	Revision and practice sections for Statistics
4	7th May	Revision and practice sections for Mechanics
5	13th May	Mock exams
6	20th May	Mock paper review
		HALF - TERM
7	3rd June	**External Exams**
8	10th June	**External Exams**
9	17th June	**External Exams**
10	24th June	Complex Numbers
11	1st July	Complex Numbers