

# St. John's Senior School



**Subject: Pure Mathematics**  
**Teacher: Andrew Chen**

**Form: L6th**  
**Term: Autumn 2024**

WEEK	WEEK BEGINNING	TOPIC
1	3 <sup>rd</sup> September (Tuesday)	Baseline Test Algebraic Expressions Quadratics Equations and Inequalities
2	9 <sup>th</sup> September	Radians Trigonometric Ratios Trigonometric Identities and Equations
3	16 <sup>th</sup> September	Trigonometric Functions Trigonometry and modelling
4	23 <sup>rd</sup> September	Sequences and series Graph Transformation
5	30 <sup>th</sup> September	Algebraic Methods Numerical Methods
6	7 <sup>th</sup> October	<b>MINI TEST</b> Functions and graphs
7	14 <sup>th</sup> October	Equations of Lines and Circles Binomial Expansion
8	21 <sup>st</sup> October	Differentiation
<b>HALF - TERM</b>		
9	4 <sup>th</sup> November	Differentiation
10	11 <sup>th</sup> November	Integration
11	18 <sup>th</sup> November	Integration
12	25 <sup>th</sup> November	Integration
13	2 <sup>nd</sup> December	Differential Equations

14	9 <sup>th</sup> December	Vectors

# St. John's Senior School



**Subject: Applied Mathematics**  
**Teacher: A Chen**

**Form: L6th**  
**Term: Spring 2025**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	6 <sup>th</sup> January	<b>MOCK EXAMINATIONS (5<sup>th</sup> and 6<sup>th</sup> Forms)</b>
2	13 <sup>th</sup> January	<b>MOCK EXAMINATIONS (5<sup>th</sup> Forms)</b>
3	20 <sup>th</sup> January	Measures of Location and Spread Representations of Data
4	27 <sup>th</sup> January	Conditional Probability
5	3 <sup>rd</sup> February	Statistical Distribution Hypothesis Testing
6	10 <sup>th</sup> February	Correlation and Regression
<b>HALF - TERM</b>		
7	24 <sup>th</sup> February	Normal Distribution Data Collection
8	3 <sup>rd</sup> March	Constant Acceleration Projectiles
9	10 <sup>th</sup> March	Variable Acceleration Forces and motions
10	17 <sup>th</sup> March	Forces and motions
11	24 <sup>th</sup> March	Moments
12	31 <sup>st</sup> March	Exams

# St. John's Senior School



**Subject: Pure and Applied Mathematics**  
**Teacher: A Chen**

**Form: L6th**  
**Term: Summer 2025**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	28 <sup>th</sup> April	Revision and practice sections for Pure Mathematics
2	6 <sup>th</sup> May (Tuesday)	Revision and practice sections for Pure Mathematics
3	12 <sup>th</sup> May	Revision and practice sections for Applied Maths
4	19 <sup>th</sup> May	Mock exams
<b>HALF - TERM</b>		
5	2 <sup>nd</sup> June	<b>External Exams</b>
6	9 <sup>th</sup> June	<b>External Exams</b>
7	16 <sup>th</sup> June	<b>External Exams</b>
8	23 <sup>rd</sup> June	Complex Numbers
9	30 <sup>th</sup> June	Complex Numbers
10	7 <sup>th</sup> July	Complex Numbers