

# St. John's Senior School



**Subject: Applied Mathematics**  
**Teacher: Mrs Charalampopoulou**

**Form: U6th**  
**Term: Autumn 2025**

WEEK	WEEK BEGINNING	TOPIC
1	8 <sup>th</sup> September (Tuesday)	Recap AS content
2	15 <sup>th</sup> September	Regression, Correlation and hypothesis testing - Forces and friction
3	22 <sup>th</sup> September	Regression, Correlation and hypothesis testing - Forces and friction
4	29 <sup>rd</sup> September	Regression, Correlation and hypothesis testing - Forces and friction
5	6 <sup>th</sup> September	Revision
6	13 <sup>th</sup> October	<b>MINI TEST</b>
7	20 <sup>th</sup> October	Test re-cap Conditional probability - Moments
<b>HALF - TERM</b>		
8	3 <sup>rd</sup> November	Conditional probability - Moments
9	10 <sup>th</sup> November	Conditional probability - Moments
10	17 <sup>th</sup> November	Conditional probability - Forces and Friction
11	24 <sup>th</sup> November	The normal distribution - Forces and Friction
12	1 <sup>st</sup> December	The normal distribution - Forces and Friction
13	8 <sup>th</sup> December	The normal distribution - Projectiles

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**Term: Spring 2025**

WEEK	WEEK BEGINNING	TOPIC
1	5 <sup>th</sup> January	<b>MOCK EXAMINATIONS</b>
2	12 <sup>th</sup> January	Exam re-cap
3	19 <sup>th</sup> January	Statistical distributions - Projectiles
4	26 <sup>th</sup> January	Stats revision - Application of forces
5	2 <sup>nd</sup> February	Stats revision - Application of forces
6	9 <sup>th</sup> February	Stats revision - Application of forces
<b>HALF - TERM</b>		
7	23 <sup>rd</sup> February	Stats revision - Further kinematics
8	2 <sup>nd</sup> March	Stats revision - Further kinematics
9	9 <sup>th</sup> March	Stats revision - Further kinematics
10	16 <sup>th</sup> March	Combined Mechanics Problems
11	23 <sup>rd</sup> March	Mechanics Revision

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**Subject: Applied Mathematics**  
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<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	20 <sup>th</sup> April	Applied Mathematics Test
2	27 <sup>th</sup> April	Revision and Exam Practise
3	5 <sup>th</sup> May	Study leave
4	11 <sup>th</sup> May	<b>EXAMINATIONS</b>
5	18 <sup>th</sup> May	<b>EXAMINATIONS</b>
<b>HALF - TERM</b>		
6	1 <sup>st</sup> June	<b>EXAMINATIONS</b>
7	8 <sup>th</sup> June	<b>EXAMINATIONS</b>
8	15 <sup>th</sup> June	<b>EXAMINATIONS</b>
9	22 <sup>nd</sup> June	<b>EXAMINATIONS</b>
10	29 <sup>th</sup> June	<b>EXAMINATIONS</b>