

# St John's Senior School



**Subject: Mathematics**

**Form: 5th Form**

**Teacher: Mr Cheng, Mr Agathou, Mr Stavropoulos, Mrs Charalampopoulou Term: Autumn**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	6 <sup>th</sup> September	Probabilities-Combinations
2	13 <sup>th</sup> September	Solving equations and inequalities-Surds
3	20 <sup>th</sup> September	Sequences-Simultaneous equations
4	27 <sup>th</sup> September	Basic and advanced trigonometry
5	4 <sup>th</sup> October	<b>MINI TEST WEEK</b>
6	11 <sup>th</sup> October	Proportions-Sectors
7	18 <sup>th</sup> October	Quadratic equations
<b>HALF - TERM</b>		
8	1 <sup>st</sup> November	Quadratic equations
9	8 <sup>th</sup> November	Circle theorems
10	15 <sup>th</sup> November	<b>END OF TERM EXAM</b>
11	22 <sup>nd</sup> November	Transformations
12	29 <sup>th</sup> December	Functions-transformations of functions
13	6 <sup>th</sup> December	Rate of change-compound measures

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**Term: Spring**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	5 <sup>th</sup> January	<b>MOCK EXAMS (5<sup>th</sup> and 6<sup>th</sup> forms)</b>
2	10 <sup>th</sup> January	Percentages-Ratio
3	17 <sup>th</sup> January	Straight line graphs
4	24 <sup>th</sup> January	Algebraic fractions
5	31 <sup>st</sup> January	Proofs Vectors
6	7 <sup>th</sup> February	Similar-congruent shapes
<b>HALF - TERM</b>		
7	21 <sup>st</sup> February	Speed-distance-time
8	28 <sup>th</sup> February	Constructions, Loci, Bearings
9	7 <sup>th</sup> March	Statistics: Sampling, Measures of average and range
10	14 <sup>th</sup> March	Cumulative frequency, Histograms,
11	21 <sup>st</sup> March	Scatter graphs –Venn diagrams
12	28 <sup>th</sup> March	Probabilities



**Subject: Mathematics**

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**Teacher: Mr Cheng, Mr Agathou, Mr Stavropoulos, Mrs Charalampopoulou Term: Summer**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	25 <sup>th</sup> April	Revision practice papers
2	2 <sup>nd</sup> May	Revision practice papers
3	9 <sup>th</sup> May	Revision practice papers
4	16 <sup>th</sup> May	Revision practice papers
5	23 <sup>rd</sup> May	Revision practice papers
<b>HALF - TERM</b>		
6	6 <sup>th</sup> June	Exams
7	13 <sup>th</sup> June	Exams
8	20 <sup>th</sup> June	Exams
9	27 <sup>th</sup> June	Exams
10	4 <sup>th</sup> July	Exams