

# St John's Senior School



**Subject: Mathematics**

**Form: 4<sup>th</sup> Form**

**Teacher: Mr Chen, Mr Agathou, Mr Stavropoulos**

**Term: Autumn**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	6 <sup>th</sup> September	Quadratic equations
2	13 <sup>th</sup> September	Simultaneous equations (involving quadratics)
3	20 <sup>th</sup> September	Surds-Sequences
4	27 <sup>th</sup> September	Proportions
5	4 <sup>th</sup> October	<b>MINI TEST WEEK</b>
6	11 <sup>th</sup> October	Percentages, Sectors
7	18 <sup>th</sup> October	Volumes of 3D Shapes
<b>HALF - TERM</b>		
8	1 <sup>st</sup> November	Basic-Advanced trigonometry
9	8 <sup>th</sup> November	Revision
10	15 <sup>th</sup> November	<b>END OF TERM EXAM</b>
11	22 <sup>nd</sup> November	Functions
12	29 <sup>th</sup> December	Iteration
13	6 <sup>th</sup> December	Transformations of functions

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**Term: Spring**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	4 <sup>th</sup> January	Algebraic fractions
2	10 <sup>th</sup> January	Bounds
3	17 <sup>th</sup> January	Circle theorems
4	24 <sup>th</sup> January	<b>MINI TEST WEEK (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> forms)</b>
5	31 <sup>st</sup> January	Compound measures
6	7 <sup>th</sup> February	Compound measures
<b>HALF - TERM</b>		
7	21 <sup>st</sup> February	Straight line graphs
8	28 <sup>th</sup> February	Speed-distance-time graphs
9	7 <sup>th</sup> March	Speed-distance-time graphs
10	14 <sup>th</sup> March	Cubic, exponential, trigonometric graphs
11	21 <sup>st</sup> March	Graphs-revision
12	28 <sup>th</sup> March	Similar-congruent shapes



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**Term: Summer**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	25 <sup>th</sup> April	Statistics: Sampling, measures of average and spread
2	2 <sup>nd</sup> May	Box plots, cumulative frequency
3	9 <sup>th</sup> May	Histograms
4	16 <sup>th</sup> May	Scatter graphs, Venn diagrams
5	23 <sup>rd</sup> May	Probabilities, tree diagrams
<b>HALF - TERM</b>		
6	6 <sup>th</sup> June	<b>END OF TERM EXAMS (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup> forms)</b>
7	13 <sup>th</sup> June	Vectors
8	20 <sup>th</sup> June	Vectors
9	27 <sup>th</sup> June	Algebraic proofs
10	4 <sup>th</sup> July	Algebraic proofs