

# St. John's Senior School



**Subject: Mathematics**

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

**Teacher: Mr. Agathou, Mr. Stavropoulos, Mrs Baskin, Mr. Cheng**

**Term: Autumn 2020**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	7 <sup>nd</sup> September	Quadratic equations
2	14 <sup>th</sup> September	Simultaneous equations (involving quadratics)
3	21 <sup>st</sup> September	Surds-Sequences
4	28 <sup>th</sup> September	Proportions
5	5 <sup>th</sup> October	Percentages, Sectors
6	12 <sup>th</sup> October	<b>MINI TEST WEEK (1<sup>st</sup>- 6<sup>th</sup>)</b>
7	19 <sup>th</sup> October	Volumes of 3D Shapes
<b>HALF - TERM</b>		
8	2d November	Basic-Advanced trigonometry
9	9 <sup>th</sup> November	Functions
10	16 <sup>th</sup> November	Revision
11	23 <sup>th</sup> November	<b>END OF TERM EXAMS (1st – 4th)</b>
12	30 <sup>th</sup> November	Iteration
13	7th December	Transformations of functions

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**Term: Spring 2021**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	4 <sup>th</sup> January	Algebraic fractions
2	11 <sup>th</sup> January	Bounds
3	18 <sup>th</sup> January	Circle theorems
4	25 <sup>th</sup> January	Circle theorems
5	1st February	<b>Mini Test Week</b>
6	8 <sup>th</sup> February	Compound measures
<b>HALF - TERM</b>		
7	22 <sup>d</sup> February	Straight line graphs
8	1 <sup>st</sup> March	Speed-distance-time graphs
9	8 <sup>th</sup> March	Speed-distance-time graphs
10	15 <sup>th</sup> March	Cubic, exponential, trigonometric graphs
11	22 <sup>rd</sup> March	Graphs-revision

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**Term: Summer 2021**

<b>WEEK</b>	<b>WEEK BEGINNING</b>	<b>TOPIC</b>
1	19 <sup>th</sup> April	Similar-congruent shapes
2	26 <sup>th</sup> April	Statistics: Sampling, measures of average and spread
3	3 <sup>d</sup> May	Box plots, cumulative frequency
4	10 <sup>th</sup> May	Histograms
5	17 <sup>th</sup> May	Scatter graphs, Venn diagrams
6	24 <sup>th</sup> May	Probabilities, tree diagrams
<b>HALF - TERM</b>		
7	7 <sup>th</sup> June	Revision
8	14 <sup>th</sup> June	<b>END OF YEAR EXAMS (1<sup>st</sup>- Lower 6<sup>th</sup>)</b>
9	21 <sup>st</sup> June	Vectors
10	28 <sup>th</sup> June	Vectors
11	5 <sup>th</sup> July	Algebraic proofs