

St John's Senior School



Subject: Mathematics
Teacher: Mr. Agathou, Dr. Larski

Sets: 3, 4 Form: 3rd
Term: Autumn 2018

WEEK	WEEK BEGINNING	TOPIC
1	3 rd September	Factors and powers: prime factor decomposition - laws of indices
2	10 th September	Factors and powers: powers of 10 - calculating and estimating
3	17 th September	Working with powers: simplifying expressions
4	24 th September	Working with powers: expanding and factorising expressions
5	1 st October	Working with powers: substituting and solving
6	8 th October	MINI TEST WEEK
7	15 th October	2D shapes and 3D solids: plans and elevations - surface area of prisms
HALF - TERM		
8	29 th October	2D shapes and 3D solids: volume of prisms - circumference of a circle
9	5 th November	2D shapes and 3D solids: area of a circle - cylinders - Pythagoras' theorem
10	12 th November	Revision
11	19 th November	End of term exam
12	26 th November	Real life graphs: direct proportion - interpreting financial graphs
13	3 ^d December	Real life graphs: distance-time graphs - rates of change

14	10 th December	Real life graphs: rates of change - misleading graphs
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Term: Spring 2019

WEEK	WEEK BEGINNING	TOPIC
1	7 th January	Fractions, decimals and percentages: recurring decimals
2	14 th January	Fractions, decimals and percentages: using percentages and percentage change
3	21 th January	Fractions, decimals and percentages: finance - repeated percentage change
4	28 th January	Constructions and loci: accurate drawings and constructing shapes
5	4 th February	Mini Test week
6	11 th February	Constructions and loci: constructions - loci
HALF - TERM		
7	25 th February	Transformations: reflection, translation and rotation
8	4 th March	Transformations: enlargement
9	11 th March	Transformations: combining transformations - 2D shapes and 3D solids

10	18 th March	Probability: comparing probabilities - mutually exclusive events
11	25 th March	Probability: estimating probability - experimental probability
12	1 st April	Probability: probability diagrams - tree diagrams

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Term: Summer 2019

WEEK	WEEK BEGINNING	TOPIC
1	29 th April	Scale drawings and measures: maps and scales - bearings
2	6 th May	Scale drawings and measures: scales and ratio - congruent and similar shapes
3	13 th May	Optional Trip Abroad
4	20 th May	Scale drawings and measures: solving geometry problems
HALF - TERM		
5	3 ^d June	Revision
6	10 th June	End of year exam
7	17 th June	Graphs: plotting linear graphs - the gradient
8	24 th June	Graphs: equations of linear graphs - parallel and perpendicular lines

9	1 st July	Graphs: inverse functions - non-linear graphs
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