YEAR 11 Maths	Lessons	Aiming for 5	Aiming for 7	Aiming for 9
Week 1: 6th September	1	Standard form	Surds	Surds
	2	Laws of indices (fractional and negative)	Surds	Algebraic Proofs
	3	Rounding	Bounds	Bounds
	4	Bounds	Bounds calculations	Bounds calculations
Week 2: 13th September	5	Solve simultaneous equations graphically	Parallel and perpendicular equations	Transformations of graphs
	6	Sketching quadratic and cubic graphs	Transformations of graphs	Quadratic nth term
	7	Expand quadratics	Simplify algebraic fractions	Area under graphs
	8	Factorise quadratics	Factorise quadratics	Tangents to circles
Week 3: 20th September	9	Rearrange formulae	Solve quadratics	Factorise and solve quadratics
	10	Solve linear simultaneous equations	Solve algebraic fractions	Solve nonlinear simultaneous equations
	11	Represent inequalities graphically	Solve quadratic inequalties	Solve quadratic inequalties
	12	Angles in parallel lines	Circle theorems	Circle theorems
Week 4: 27th September	13	Angles in polygons	Circle theorems	Geometrical proofs
	14	Geometrical proofs	Geometrical proofs	Vectors
	15	Angle and line bisectors	Vectors	Vectors
	16	Loci	Loci	Loci
Week 5: 4th October	17	Transformations	Negative/fractional enlargements	Negative/fractional enlargements
	18	Pythagoras' theorem	3D Pythagoras and SOH CAH TOA	Sine and cosine rules
	19	SOH CAH TOA	Sine and cosine rules	Trig review
	20	Area and perimeter of sectors	Volume and surface area of cylinders	Volume and surface area of pyramids and spheres
Week 6: 11th October	21	Volume and surface area of cylinders	Volume and surface area of pyramids and spheres	Volume of frustums
	22	Speed, distance and time	Length, area and volume similarity	Velocity-time graphs
	23	Pie charts	Averages from tables	Averages from tables
	24	Averages from tables	Cumulative frequency and box plots	Cumulative frequency and box plots
Week 7: 18th October	25	Scatter graphs	Histograms	Histograms
	26	Sampling	Sampling	Petersen capture-recapture
	27	Probability trees	Probability trees	Probability trees
	28	Probability trees	Set theory (with Venn diagrams)	Set theory (with Venn diagrams)
HALF TERM WEEK				
Week 8: Wednesday	29	Proportion	Proportion	Proportion
	30	Exchange rates	Converting recurring decimals to fractions	Converting recurring decimals to fractions
Week 9: 8th November	31	Calculating with mixed numbers	Converting recurring decimals to fractions	Converting recurring decimals to fractions
	32	Compound interest	Compound interest	Compound interest
	33	Reverse percentages	Reverse percentages	Reverse percentages