











	MON	TUE	WED	THURS	FRI	SAT	SUN		
WEEK 1	18 SEP Quadratic Functions Revision Factorising Quadratics The Quadratic Formula & Discriminant	19 Sums & Differences... Completing the Square Index & Root Laws Power & Root Examples	20 Surds Inequalities (All parts) 	21 Types of Angles Properties of Angles w/ Lines Types of Triangles & their Properties	22 Congruent Triangle Proofs (Pt 1 & 2) Similarity Proofs Intercepts on Parallel Lines	23 Properties of Quadrilaterals (Pt 1 & 2) Angle Sums of Polygons Areas Pythagoras' Theorem			
WEEK 2	25 Intro to Probability Probability Concepts Multiple Stage Events in Probability 	26 Functions & Relations Domain & Range Odd & Even Symmetry 	27 Basic Curves Shifting Curves Equations & Inequalities Using Graphs to Solve Quadratics 	28 Regions in the Number plane Absolute Value (Pt 1 & 2) Hyperbola & Asymptotes Questions on Functions	29 Intro to Locus Locus of a Circle Trig ratios Reciprocal Ratios	30			1 OCT Exact Values The Unit Circle (Pt 1 & 2) Intro to Trig Graphing Pythagorean Identities
WEEK 3	2 Trig Equations Sine Rule Cos Rule Area of a Triangle using Trig	3 Applications of Trig Formulae Intervals & Lines Perpendicular Properties Simultaneous Equations...	4 Arithmetic Progression (Pt 1 & 2) Geometric Series Limiting Sum of an Infinite Geometric Series	5 Simple/Compound Interest Investing Money Paying off a Loan + Example	6	7 Intro to Differentiation Differentiation Notation/ Rules (Pt 1) Differentiation Rules (Pt 2) The Chain Rule 			8 Product & Quotient Rule Equations of Tangents & Normals Limits, Continuity & Differentiability
WEEK 4	9	10 Sum & Product of Roots The Discriminant Identically Equal Quadratics Reducing Equations 	11 Graphing Quadratic Polynomials The Parabola as a Locus (Pt 1 & 2)	12 Chords + HSC Questions Tangents & Normals HSC Questions 	13 Sign of the 1st Derivative Concavity & 2nd Derivative Curve Sketching Max & Min Problems	14 Intro to Integration Definite Integrals Integrating Powers of Linear Functions			15 Area between Curves Total Areas Solids of Revolution Areas & Volumes about the y-axis
WEEK 5	16 Integration Techniques Trapezoidal Rule Simpson's Rule HSC Questions	17	18 Log Laws Deriving $y = \ln x$ Integrating to Logs Sketching $y = \ln x$	19 Deriving & Sketching e^x Integrating e^x Other Exponential Functions	20 Arcs, Radians & Degrees Sector & Segment Areas Further Trig Graphing 	21 Differentiating Trig Integrating Trig Functions Small Angle Approximations Rates of Change 			22 <u>Natural Growth & Decay</u> <u>Intro to Motion</u> <u>Velocity & Acceleration</u> <u>Integrating w/ Respect to Time</u>
WEEK 6	23 <div style="background-color: red; color: white; border-radius: 50%; padding: 10px; display: inline-block;"> Maths Exam at 1:55pm! </div>	24 <i>Good luck!</i>	25	26	27	28			29 <div style="background-color: blue; color: white; padding: 5px; text-align: center;"> getatomi.com </div>