Revision and Resources – A Level Mathematics

Course Title	A Level Mathematics
Exam Board	Edexcel
Specification	https://qualifications.pearson.com/content/dam/pdf/A%20Level/Mathematics/2017/specification-and-sample-assesment/a-level-l3-mathematics-specification-issue4.pdf
Assessment	
Key Dates	In-class tests: Termly tests Mocks exams: Year 12 (June) and Year 13 (January) There will be continuous setting of assignments and mini tests.
Revision Checklist	
Formula book	https://qualifications.pearson.com/content/dam/pdf/A%20Level/Mathematics/2017/specification-and-sample-assesment/Pearson_Edexcel_A_Level_GCE_in_Mathematics_Formulae_Book.pdf
The large data set	https://qualifications.pearson.com/content/dam/pdf/A%20Level/Mathematics/2017/specification-and-sample-assesment/Pearson%20Edexcel%20GCE%20AS%20and%20AL%20Mathematics%20data%20set%20-%20Issue%201%20(1).xls
Past Papers	https://www.mathsgenie.co.uk/newalevel.html https://examqa.com/a-level-maths-past-papers/
Online Resources	https://www.drfrostmaths.com/sow.php?year=A%20Level%202017&term=Main https://www.examsolutions.net/a-level-maths/edexcel/ https://www.mathsgenie.co.uk/newalevel.html

Assessment table (image 1):

Qualification	Component	Overview	Assessment
A level Mathematics	Paper 1: Pure Mathematics 1	AS content assessed at A level standard	2 hours — 100 marks
	Paper 2: Pure Mathematics 2	Remaining pure content which builds on and incorporates AS content.	2 hours — 100 marks
	Paper 3: Statistics and Mechanics	Section A: Statistics (50 marks) Section B: Mechanics (50 marks)	2 hours — 100 marks

Revision Checklist (image 2):

Pure Maths

Year 12 Pure maths	Year 13 Pure maths
Indices and surds	Partial fractions and proof
solving quads and discriminant	Modulus functions
solving simultaneous eqns and inequalities	Sequence and series
Graphs and transformations	
straight line geometry	
circle geometry	
Factor theorem and proof.	
Binomial expansion	Binomial expansion
Trig: rules and graphs	Radian: area of sector segment & small angle
Trig: identities and solving eqns	Trig: reciprocal functions
Vectors	Trig: Addition rule & modelling
	Parametric eqns
Differentiation	Differentiation
Integration	Integration
Exponential and graphs	3-D vectors

Applied Maths

Year 12	Year 13
large data set	correlation & testing
Averages and spread	conditional probability
Presenting data	Normal distribution
Correlation	Moments
Probability	Force and friction
Binomial distribution	Projectiles
Hypothesis testing	Application of forces
Modelling- Mechanics	Variable acceleration
v/t graphs and suvat formulae	
Forces and motion	
Variable acceleration	