

Edexcel A Level Maths - Pure

Topic Checklist - Year 2 (A Level)

Section	Topic	Studied (✓ / X)	Notes (✓ / X)	Topic Qus 1 (%)	Topic Qus 2 (%)
1. Algebraic methods	Proof by contradiction				
	Partial fractions				
	Algebraic division				
2. Functions & Graphs	Mappings				
	Modulus functions				
	Composite & inverse functions				
	Solving modulus problems				
	Combined transformations				
3. Sequences & Series	Arithmetic Sequences				
	Geometric Sequences				
	Sigma notation				
	Recurrence relations				
4. Binomial Expansion	Negative & fractional powers				
	Partial fractions				
5. Radians	Areas & Arc Length				
	Solving Trig equations				
	Small angle approximation				
6. Trigonometric functions	Reciprocal trig				
	Identities using Reciprocal Trig				
	Inverse Trig				
7. Trigonometry & modelling	Addition & double angle formulae				
	Simplifying sin +/- cos functions				
	Proving identities				
8. Parametric equations	Converting between parametric & cartesian				
	Sketching parametrics				
	Points of intersection				
	Modelling Parametrics				
9. Differentiation	Sine & Cosine				
	Exponentials and logs				
	Chain rule				
	Product rule				
	Quotient rule				
	Harder Trig Functions				
	Parametrics				
	Implicit				
	Using 2nd derivatives				
Rates of change					
10. Numerical methods	Locating Roots				
	Iteration				
	Newton-Raphson				
9. Integration	Standard functions				
	By Substitution				
	By Parts				
	Using Partial Fractions				
	Finding areas				
	Trapezium Rule				
	Solving Differential Equations				
	Modelling				
12. Vectors	Vectors In 3D				
	Solving Geometric problems				
	Applications to Mechanics				