

AS Calculus Lesson Planning

Day	Topic	Focus	Tasks
1	Functions	Basics	Domain, range, composite
2	Functions	Practice	Inverse + questions
3	Quadratics	Concept	Completing square
4	Quadratics	Practice	Equations + discriminant
5	Graphs	Concept	Transformations
6	Graphs	Practice	Sketch graphs
7	Series	Concept	Arithmetic
8	Series	Practice	Geometric
9	Binomial	Concept	Expansion
10	Binomial	Practice	Find terms
11	Trigonometry	Concept	Identities
12	Trigonometry	Practice	Equations
13	Trig Graphs	Concept	Sine cosine
14	Trig Graphs	Practice	Tangent graphs
15	Differentiation	Concept	Basic rules
16	Differentiation	Practice	Derivatives
17	Differentiation	Applications	Tangents
18	Differentiation	Applications	Increasing/decreasing
19	Integration	Concept	Basics
20	Integration	Practice	Definite integrals
21	Integration	Applications	Area
22	Integration	Practice	Area questions
23	Logs	Concept	Laws
24	Logs	Practice	Equations
25	Algebra	Concept	Partial fractions
26	Algebra	Practice	Questions
27	Vectors	Concept	Basics
28	Vectors	Practice	Magnitude
29	Functions	Advanced	Composite
30	Functions	Advanced	Inverse
31	Trigonometry	Advanced	Identities
32	Trigonometry	Advanced	Proofs
33	Mixed	Practice	Mixed Qs
34	Mixed	Practice	Mixed Qs
35	Mixed	Practice	Mixed Qs
36	Past Paper	Timed	Paper 1
37	Past Paper	Timed	Paper 2
38	Past Paper	Timed	Paper 3
39	Past Paper	Timed	Paper 4
40	Past Paper	Timed	Paper 5
41	Weak Areas	Practice	Fix mistakes
42	Weak Areas	Practice	Hard Qs

43	Weak Areas	Practice	Revision
44	Weak Areas	Practice	Revision
45	Weak Areas	Practice	Revision
46	Past Paper	Full	Timed
47	Past Paper	Full	Timed
48	Past Paper	Full	Timed
49	Revision	Final	Formulas
50	Revision	Final	Mistakes review