

Advanced Higher Term 2 Planner to Prelim 2014/2015

Date	Topic	Date	Topic
Oct M 27	INSET	Dec M 01	Integration and Applications
T 28	Transformations & NAB prep	T 01	Integration Problem Solving Questions
W W 29	NAB prep & Unit 1 NAB	W W 02	COMPLEX NUMBERS : Intro, format, \pm , x onto div
TH 30	DIFFERENTIATION : Implicit	TH 03	Dividing complex numbers and conjugates
Nov M 03	Inverse Functions -> Diff	M 08	Finding Roots
T 04	Inverse Derivatives	T 09	Modulus, Arg and Argand Diagram
W W 05	Inverse Trig Fns & Diff	W W 10	Polar Format and Interpreting from Argand Diag
TH 06	Implicit harder & Tangents	TH 11	Expressing Straight Lines
M 10	Implicit & 2nd Derivatives	M 15	Solving Cubic Complex Problems
T 11	Logarithmic Differentiation	T 16	Solving Quartic Complex Problems
W W 12	Parametric Diff & Problems	W W 17	De Moivres' Theorem
TH 13	Related Rates	TH 18	De Moivres' Theorem
M 17	INTEGRATION : Inverse Trig	Jan M 05	Sequence & Series: Arithmetic Sequences
T 18	Harder Integration Problems	T 06	Geometric Sequences
W W 19	Partial Fractions & Integration	W W 07	Arithmetic Series
TH 20	Integration by Parts	TH 08	Geometric Series
M 24	Repeated Integration by Parts	M 12	Sums to Infinity
T 25	1st Order Differential Equations	T 13	Proofs: Proof by Counter-Example & Proof by Exhaustion
W W 26	Separation of Variables	W W 14	Proof by Induction (Standard Problems)
TH 27	Growth & Decay Problems	TH 15	Proof by Induction (Standard Problems)

* Shall return to Complex Numbers → 'Roots of Unity' **AFTER PRELIM**

** Sequence & Series problems with NEGATIVE BINOMIAL EXPANSIONS discussed later **AFTER PRELIM**

*** Inequality Induction Proofs and Proof by Contradiction **AFTER PRELIM**