

Revision (5–6 weeks from exam)

Session	Topic	Subtopic	Important lessons	Done
1	Proof	The Nature of Proof	<u>Irrationality of Root 2</u>	<input type="radio"/>
		Further Proof by Mathematical Induction	<u>Induction Proof for Inequalities</u>	<input type="radio"/>
2	Vectors	Further Work with Vectors	<u>Vector Projections in 3D, Parallel and Perpendicular Vectors, Finding the Equation of a Plane</u>	<input type="radio"/>
3	Complex Numbers	Introduction to Complex Numbers	<u>Division of Complex Numbers, Modulus-Argument Form Division and Identities</u>	<input type="radio"/>
4		Solving Equations With Complex Numbers	<u>De Moivre and Trigonometric Identities, Roots of Complex Numbers, Remainder Theorem and Division Theorem</u>	<input type="radio"/>
5		Geometrical Implications of Complex Numbers	<u>Vector Addition and Subtraction, Regions in the Argand Diagram (Part 1 and Part 2)</u>	<input type="radio"/>
6	Calculus	Further Integration	<u>Integration with an Unknown Substitution</u>	<input type="radio"/>
7	Mechanics	Applications of Calculus to Mechanics: Simple Harmonic Motion and Modelling Motion without Resistance	<u>Applying Further Motion Equations, Applying SHM</u>	<input type="radio"/>
8		Applications of Calculus to Mechanics: Resisted Motion, Projectiles and Resisted Motion		<input type="radio"/>

Practice (3–4 weeks from exam)

Session	Topic	Subtopic	Confidence	Done
9	Proof	The Nature of Proof	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
		Further Proof by Mathematical Induction	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
10	Vectors	Further Work with Vectors	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
11	Complex numbers	Introduction to Complex Numbers	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
12		Solving Equations With Complex Numbers	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
13		Geometrical Implications of Complex Numbers	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
14	Calculus	Further Integration	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
15	Mechanics	Applications of Calculus to Mechanics: Simple Harmonic Motion and Modelling Motion without Resistance	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>
16		Applications of Calculus to Mechanics: Resisted Motion, Projectiles and Resisted Motion	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div></div>