

IGCSE Edexcel

Topic List for Higher

Section	Topic	Studied (✓ / X)	Notes (✓ / X)	Exam Questions
1. Numbers & Number Systems	• HCF, LCM and Prime Factors			
	• Fraction Operations			
	• Percentages			
	• Ratio			
	• Standard form			
	• Bounds			
	• Recurring Decimals			
	• Compound Percentage Change			
	• Speed, Distance and Time			
	• Surds			
2. Equations, Formulae & Identities	• Algebraic Expressions			
	• Equations (Linear/Quadratics)			
	• Rearranging Formula			
	• Simultaneous Equations (Linear/Non-Linear)			
	• Complete the Square			
	• Direct Proportions			
	• Algebraic Fractions			
	• Proofs			
3. Sequences, Functions & Graphs	• Sequences and Series			
	• Functions			
	• Straight Line Graphs			
	• Linear Inequality Regions			
	• Plotting Curves and Graphical Solutions			
	• Trigonometric Graphs			
	• Differentiation			
4. Geometry & Trigonometry	• Parallel Lines and Polygons			
	• Construction			
	• Circle properties			
	• Trigonometry & Pythagoras Theorem			
	• Sine/Cosine Rule. Area of Triangle.			
	• 2D Shapes-Measures			
	• 3D Shapes-Measures			
	• Circles, Sectors and Arcs			
	• Bearing			
	• Similar Shapes			
5. Vectors & transformation geometry	• Transformation			
	• Transformation of Functions			
	• Vectors			
6. Statistics & probability	• Averages and Range			
	• Cumulative Frequency Graphs			
	• Histogram			
	• Probability and Expected Outcome			
	• Tree Diagrams			
	• Sets and Venn Diagrams			