



## QPHS Year 13 Further Maths Curriculum Map

Half term	Title	Unit summary	Assessment
1	<b>CORE PURE:</b> <b>Chap 1 – Complex Numbers</b> <b>Chap 2 – Series</b>	Core Pure covers Complex Numbers and Series, focusing on algebraic manipulation and summation techniques.	Application of knowledge and skills from units of work through unit assessments.
	<b>APPLIED: Decision</b> <b>Chap 5 – Travelling salesman proble</b> <b>Chap 7 – The Simplex algorithm</b>	Applied introduces Travelling Salesman Problem and Simplex Algorithm.	
2	<b>CORE PURE:</b> <i>Pure2</i> <b><i>Differentiation/Integration</i></b> <b>Chap 3- Methods in Calculus</b>	Core Pure delves into advanced differentiation and integration methods in calculus.	Application of knowledge and skills from units of work through unit assessments.  <b>MOCK EXAMS</b>
	<b>APPLIED: Further Pure</b> <b>Chap 3 – Conic Sections 2</b> <b>Chap 7 – Methods in Calculus</b>	Applied revisits Conic Sections in part 2 and calculus applications are expanded.	
3	<b>CORE PURE:</b> <b>Chap 4- Volumes of revolution</b> <b>Chap 5 – Polar coordinates</b>	Core Pure explores Volumes of Revolution and Polar Coordinates, emphasizing geometric applications.	Application of knowledge and skills from units of work through unit assessments.  Including <b>IA1 Assessment</b>
	<b>APPLIED: Further Pure</b> <b>Chap 5 – The t-formuale</b> <b>Chap 6 – Taylor Series</b>	Applied introduces the t-formulae and Taylor Series-linking back to Maclaurin from CP2 CH7	
4	<b>CORE PURE:</b> <b>Chap 6 – Hyperbolic functions</b> <b>Chap 7/8 – Differential equations</b>	Core Pure examines Hyperbolic Functions and Differential Equations, focusing on solving complex systems.	Application of knowledge and skills from units of work through unit assessments.
	<b>APPLIED: Further Pure</b> <b>Chap 8 – Numerical Methods</b> <b>Chap 9 – Reducible differentials</b>	Applied covers Numerical Methods and Reducible Differentials, reinforcing computational techniques.	
5	<b>CORE PURE:</b> <b>Chap 7/8 – Differential equations</b>	Core Pure concludes with Differential Equations, solving higher-order problems	<b>A-Level Exams</b>
	<b>APPLIED: Further Pure</b> <b>Chap 9 – Reducible differentials continued</b>	Applied continues Reducible Differentials.	
6	Review and revise	Dependent of student need	