QPHS Year 13 Maths Curriculum Map

Half term	Title	Unit summary	Assessment
1	**PURE:** **Chap 1 – Algebraic methods** **Chap 2 – Functions and graphs**	Further development of algebraic techniques. Introduction of inverse and composite functions	Application of knowledge and skills from units of work through unit assessments.
	APPLIED: Statistics **Chap 1 – Regression, correlation and hypothesis testing** **Chap 2 – Conditional Probability**	Developing ideas from Y12	
2	**PURE:** **Chap 3 – Sequences and series** **Chap 4 – Binomial Expansion** **Chap 5 - Radians**	Developing a deeper understanding of the topics of sequences and binomial expansion. Introducing the measurement and use of radians.	Application of knowledge and skills from units of work through unit assessments. MOCK EXAMS
	APPLIED: Statistics: **Chap 3 – The Normal distribution** **APPLIED: Mechanics** **Chap 4 - Moments**	Introducing The Normal distribution and exploring its uses. Introducing the concept of moments	
3	**PURE:** **Chap 6 - Trigonometric Functions** **Chap 7 – Trigonometric modelling**	Further development of application of trigonometric functions	Application of knowledge and skills from units of work through unit assessments. Including IA1 Assessment
	APPLIED: Mechanics **Chap 5 – Forces and Friction** **Chap 6 - Projectiles**	Work covered relates to the ideas of friction and projectiles.	
4	**PURE:** **Chap 8 – Parametric equations** **Chap 9 – Differentiation** **Chap 11 – Integration**	Revisiting and expanding on the techniques of differentiation and integration.	Application of knowledge and skills from units of work through unit assessments.
	APPLIED: Mechanics **Chap 7 – Application of Forces** **Chap 8 – Further Kinematics**	Further work on Forces and kinematics	
5	**PURE:** **Chap 10 – Numerical Methods** **Chap 12 - Vectors**	Solving equations with numerical methods. Working with Vectors in 3D	A-Level Exams
6	**Review and revise**	Dependent of student need	