



QPHS Year 12 Maths Curriculum Map

Half term	Title	Unit summary	Assessment
1	PURE: Baseline assessment and review. Individual study on: Chap 1/2/3 Algebraic expressions/ Quadratics/ Equations and inequalities Chap 4 – Graphs and transformations	Establishing the foundation skills of algebra and graphs	Baseline assessment in Pure content, then follow-up assessment. Application of knowledge and skills from units of work through unit assessments.
	APPLIED: Statistics Chap 1 – Data collection & LDS Project Chap 2 – Measures of Location and spread Chap 3 – Representations of data and spread	Introduction to the Large Data Set (LDS). Working with measures and representations of data	
2	PURE: Chap 5 – Straight lines Chap 6 – Circles Chap 7 – Algebraic methods Chap 8 – Binomial Expansion	Developing geometric concepts and algebraic methods	Application of knowledge and skills from units of work through unit assessments.
	APPLIED: Statistics: Chap 4 – Correlation Chap 5 – Probability Chap 6 – Binomial distribution	Introducing statistical techniques and notation	
3	PURE: Chap 9 -Trigonometric ratios Chap 10 – Trigonometric identities & equations Chap 11 - Vectors	Introduce trigonometric methods to solve problems. Develop understanding of 2D Vectors.	Application of knowledge and skills from units of work through unit assessments. Including IA1 Assessment
	APPLIED: Statistics Chap 7 – Hypothesis testing APPLIED: Mechanics Chap 8 – Modelling in Mechanics	Explore the use of hypothesis testing. Introduce Mechanics foundation skills.	
4	PURE: Chap 12 – Differentiation Chap 13 – Integration	Introduce and develop the concepts of calculus	Application of knowledge and skills from units of work through unit assessments.
	APPLIED: Mechanics Chap 9 – Constant Acceleration Chap 10 – Forces and motion	Develop ideas of acceleration, forces and motion. Develop problem solving skills.	
5	PURE: Chap 14 – Exponentials and Logarithms	Further develop rules of indices, and work accurately with Exponentials and logarithms	End of year exams (IA2 Assessment)
	APPLIED: Mechanics Chap 11 – Variable acceleration	Chap 12 Pure content reviewed and used to support work on variable acceleration	
6	Review and revise	Dependent of student need	