



QPHS Year 11 GEM PATHWAY Maths Curriculum Map

Half term	Title	Unit summary	Assessment
1	U 16 – Angles, geometric reasoning and congruence U17 – Simplify, expand & substitution U18 – Solving Equations U19 – Linear inequalities U20 – Quadratics	Simplifying and expanding expressions. Substituting into formulae. Solving equations and inequalities. Expanding binomials. Factorising and solving quadratics. Calculating missing angles using rules. Developing skills to explain geometric rules and facts, through problem solving.	Application of knowledge and skills from units of work through bi-weekly assessments.
2	U21 – Standard Form U22 – Shape (Sectors etc) U23 - Probability	Working with numbers in standard form. Consolidating skills to find the area and perimeter of 2D shapes, and extending skills to calculate the area of a sector and the arc length.	Application of knowledge and skills from units of work through bi-weekly assessments. MOCK 1 exam.
3	U24 – Pythagoras’ Theorem U25 – Trigonometry U26 – Transformations and Vectors	Finding missing sides and angles of right angle triangles through application of Pythagoras’ theorem and the use of trigonometric ratios. Transforming shapes. Using vectors.	Application of knowledge and skills from units of work through bi-weekly assessments. MOCK 2 exam.
4	Unit 27 – Compound measures and proportion (SDT/MDV/PFA) Unit 28 -Linear graphs Unit 29 – Quadratic graphs Unit 30 – Simultaneous Equations Unit 31 – Non Linear graphs inc Graphs SDT/ algebra/ real life	Consolidate and extending understanding of graphs. Solve simultaneous equations. Use the compound measure ratios to solve problems.	Application of knowledge and skills from units of work through bi-weekly assessments.
5	Revision and preparation for the GCSE exams		GCSE Exams
6	GCSE EXAMS		