



QPHS Year 10 JEWEL PATHWAY Maths Curriculum Map

Half term	Title	Unit summary	Assessment
1	HIGHER: U1 – Powers, indices and roots U2 – Surds and Irrational numbers U3-Standard form (Error intervals)	Working with different types of numbers, learning to manipulate notation and simplify.	Application of knowledge and skills from the first 3 or 4 units of work through assessment (ALA 1), including : <ul style="list-style-type: none">• Working in standard form• Working with different types of number• Finding rules for sequences (Foundation only)
	FOUNDATION: U1 – Factors, Multiples and primes U2 – Powers, indices and roots U3 –Standard form (Error intervals) U4 – Sequences	Working with different types of numbers, learning to manipulate notation and simplify. Investigating sequences and finding patterns and rules.	
2	HIGHER: U4 – Sequences U5 - Linear Graphs U6 – Non-Linear graphs (Real life)	Finding formula for sequences. Plotting and interpreting graphs.	Application of knowledge and skills from the first 6 or 7 units of work through cumulative assessment (ALA 2).
	FOUNDATION: U5 – FDPR review U6 - Percentage change U7 – Compound measures and proportion	Number skills consolidation and extending understanding of proportion through compound measures	
3	HIGHER: U7 – Compound Measures and proportion U8 – Probability	Extending understanding of proportion through compound measures. Calculating probability using diagrams.	Application of knowledge and skills from the first 9 units of work through cumulative assessment (ALA 3).
	FOUNDATION: U8 – KS3 Algebra review U9 -Quadratics U10 – Quadratic graphs	Consolidating algebra skills and extending understanding to working with Quadratics.	
4	HIGHER: U9 - FDPR review U10 –Quadratics & their graphs U11 – Statistical Reasoning	Consolidate number skills. Understand methods for solving quadratics. Understanding statistical techniques.	Application of knowledge and skills from the first 13 units of work through cumulative assessment (ALA 4).
	FOUNDATION: U11 – Probability U12 – Transformations	Calculating probability using diagrams. Transforming shapes.	
5	HIGHER: Unit 12 – Triangles (Pythagoras/ Trigonometry/Sine/Cosine and 3D) U13 – 2D Geometry (inc circles)	Working with 2D shapes. Using Pythagoras and trigonometry skills to solve problems.	Application of knowledge and skills from the all units of work through END OF YEAR cumulative assessment to assess all work covered during the year.
	FOUNDATION: U13 – 2D and 3D geometry U14 – Surface Area & Volume	Calculating area, perimeter and volume of shapes	
6	HIGHER: U14 – 3D Geometry U15 – Drawing skills	Learning to use bearings and scale. Drawing constructions and loci.	
	FOUNDATION: U15 – Drawing skills (Bearing, scale, constructions, loci)	Learning to use bearings and scale. Drawing constructions and loci.	