Pearson Tutoring Programme Resources Mapping

AQA Level 2 Certificate in Further Maths

Lesson Group	Specification coverage	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
A: Algebra I	1.3, 2.3, 2.4, 2.5, 2.7, 2.11,	Surds and rationalizing the denominator	Functions: domain and range	Composite functions and inverse functions	Expanding $(a + b)^n$	The factor theorem	**A**	**A**
B: Algebra II	2.13, 2.14 , 2.15, 2.16, 2.17, 2.18	Sketching functions and their interpretation	Solutions of linear and quadratic equations and inequalities	Simultaneous equations: 1 linear with 1 non-linear	Algebraic solutions of linear equations with 3 unknowns	Solving equations with fractional and negative indices	**B**	**B**
C: Coordinate Geometry	3.2, 3.4, 3.5, 3.8, 3.9	Gradients in parallel and perpendicular lines	Using ratio in coordinate geometry problems	Equation of a straight line in the form $y - y_1 = m(x - x_1)$	Equation of a circle not centred on the origin	The equation of the tangent to a circle	**C**	**C**
D: Trigonometry	6.2- 6.10	The sine and cosine rules and area of a triangle	Applying trigonometry and Pythagoras in 3D	Sketching trigonometric graphs for any angle	Trigonometric identities	Solution of trigonometric equations	**D**	**D**
E: Calculus	4.1 – 4.9	Basic differentiation	Tangents and normal to curves	Increasing and decreasing functions	Maxima and minima	Curve sketching with known maxima and minima	**E**	**E**
F: Matrices	5.1 – 5.4	Matric multiplication	2 x 2 identity matrix	Transformations using matrices: reflections	Transformations using matrices rotations	Combinations of transformation using matrices	**F**	**F**