

WC Maths Curriculum Overview - KS4



	Year 10	Year 11
Half Term 1	<p>NUMBER: rounding, indices, standard form, surds, estimation (N1a N3, N4, N6, N7, N8, N9, N14)</p> <p>SHAPE: Pythagoras, Trigonometry (G20 G21)</p> <p>ALGEBRA: simplifying, expansion, changing subject (A1, A2, A3, A4abcef A5)</p>	<p>ALGEBRA: algebraic fractions, expanding cubics (A4d A18a)</p> <p>SHAPE: 3D shapes, volume (G1a G12 G16b G17b)</p> <p>ALGEBRA: Sequences (A23 A24 A25)</p>
Half Term 2	<p>NUMBER: Fractions, percentages, decimals (N1b, N2, N10, N12, R3, R9)</p> <p>ALGEBRA: Solving linear equations (A17)</p> <p>NUMBER: Ratios, scale, conversions (N11 R2 R4 R5 R6 R8 R11a G15b)</p>	<p>ALGEBRA: Graphs – quadratic, cubic, reciprocal, wuad solutions from graph (A14a A15b A16 A18c R15)</p> <p>ALGEBRA: Direct & Inverse proportion (R10 R13 R14b)</p>
Half Term 3	<p>SHAPE: Angles, polygons, bearings (G1b G3 G4 G15c)</p> <p>SHAPE: Circle Theorems (G9, G10)</p> <p>STATISTICS: Graphs (S2,S6)</p>	<p>ALGEBRA: Solving quadratic equations A18b A19b</p> <p>PROBABILITY (N5 P1 P2 P3 P4 P5 P6 P7 P8 P9)</p> <p>ALGEBRA: Sketching Graphs (A11 A12a A18b A22b)</p>
Half Term 4	<p>STATISTICS: Box plots, histograms (S1,S3,S4)</p> <p>ALGEBRA: Graphs, gradients, intercepts, length of lines (A8 A9 A10 A14b A15a R11b R14a)</p>	<p>ALGEBRA: Functions (A7 A12b A13)</p> <p>SHAPE: Trigonometry (A12b G22 G23)</p> <p>SHAPE: Shape comparison, enlargement (R12 G5 G6)</p>
Half Term 5	<p>SHAPE: Perimeter, area, circles (G9 G16a G17a G18)</p> <p>NUMBER: Accuracy, estimation, significant figures (N15 N16)</p> <p>SHAPE: 3D shapes, construction of angles, bisecting (G2a G13)</p>	<p>VECTORS G25</p> <p>ALGEBRA: Solving equations by iteration and approximation (A6 A20 R16)</p> <p>ALGEBRA: Inequalities (N1c A22)</p>
Half Term 6	<p>REVISION and END OF YEAR EXAM</p> <p>SHAPE: Loci (G1c G2b G17a)</p>	