

Year 11 Maths

Subject and Year Group	Autumn 1 Year 11	Autumn 2 Year 11	Spring 1 Year 11	Spring 2 Year 11	Summer 1 Year 11
Topic/Unit to be studied	GEOMETRY - UNITS 20, 21/13, 14, 22, 23/12	ALGEBRA - UNITS (3), 24, (9)/25	ALGEBRA - UNITS 1/26, 10, 27, 11/28	GEOMETRY – UNITS 19/29, 30, (31) DATA REVIEW – UNITS 7, 18	MULTISTAGE, MUTLITOPIC PROBLEMS. PRACTICE, EXAM PREPARATION
Core Knowledge and skills	GEOMETRY: Continuing from unit 19 and enlargement to Similarity and Congruence. Building Trigonometry skills. Review of Y10 Area and Volume including problems such as Frustums. Compound measures including applying Density to Volume. Building Circle skills (circle theorems)	ALGEBRA: Building from unit 3 skills on expanding/factorising to Quadratic expressions, building from unit 10 solving equations to solving quadratics. Building from unit 9 graphs to further graphs inc. quadratic graphs, and trigonometric graphs	All classes spend two weeks using specific feedback from the mock on improvement and gap closing. ALGEBRA: <i>HIGHER:</i> Building from Transformations and Graphs to Transforming Graphs. using all prior algebra skills to explore Iteration and Algebraic Proof. <i>FOUNDATION:</i> reviewing and building skills from unit 11, more focus on rearranging formulae. using these skills to do Simultaneous Equations	GEOMETRY: Building from Transformations to Vectors and Vector Geometry. Use of equipment in Construction and Loci Circle Geometry building on prior circle work – prep for A Level. Histograms for remaining Higher students building on prior DATA skills. Foundation review and building all DATA skills.	ALL Problems that link topics. Learning to recognise topics, correct methods, how to break problems down and where 'method/process' marks are awarded.
Assessment for and of learning	Key assessment 7 – units 19, 20, 21/13 Key assessment 8 - units 14, 22, 23/12	Key assessment 9 – units (3),24,25 Mock Exam – units 1 to 25	Key assessment 10 – units 1/26, 1/27, 11/28, 29	Past Paper - units Walking Talking Mock – units	Continued class assessment, preparation & feedback leading to External examination