

Year 10 Higher SOW 2019-20

SEPTEMBER	OCTOBER			NOVEMBER		DECEMBER			
Weeks 2 - 5 Unit 8 Transformations & Constructions Plans & elevations, draw accurate constructions such as: perpendicular bisector & angular bisector, draw SAS, ASA, RHS & SSS triangles, solve problems using loci, scale drawings, three figure bearings, Identify, describe and draw translations, reflections, rotations and enlargements (inc. fractional scale factors $\frac{1}{2}$), combine transformations.	Weeks 6 - 8 Unit 9 Quadratic Equations and Inequalities Solving quadratics using; factorising, completing the square, quadratic formula	Half Term Holiday	Weeks 10 - 11 Unit 9 Quadratic Equations and Inequalities Solving simultaneous equations using substitution, linear & quadratic inequalities.	Weeks 12 Unit 10 Probability Systematic listing, product rule, two way tables.	Weeks 13 - 14 Revision Lessons and Mid Term Exam	Weeks 15 - 16 Unit 10 Probability Experimental probability, frequency trees, fair games, venn diagrams, conditional and independent events (tree diagrams).			
DECEMBER	JANUARY			FEBRUARY		MARCH			
Christmas Holiday	Week 19 - 21 Unit 11 Multiplicative Reasoning Find percentages of amounts, percentage change, percentage increase & decrease, reverse percentage, simple & compound interest, compound measures, direct and inverse proportion (inc. graphs).	Weeks 22 - 23 Unit 12 Similarity & Congruence Understand the concepts of congruence & similarity, construct similar & congruent shapes, prove shapes are congruent, similarity in 3D shapes.	Week 24 Unit 13 Further Trigonometry Upper & lower bounds, sine rule, cosine rule.		Half Term Holiday	Weeks 26-27 Unit 13 Further Trigonometry Area of a triangle using sine, sketch & interpret graphs of trig functions, translate trig functions, trig in 3D.			
MARCH		APRIL		MAY		JUNE			
Week 28-31 Unit 14 Further Statistics Stratified sampling, cumulative frequency graphs, histograms, box plots, all averages inc. grouped data, comparing and describing populations		Easter Holiday	Week 34-37 Unit 15 Equations & Graphs, Linear & Quadratic Identify roots, intercepts & turning points, plot quadratic & cubic graphs solve quadratic equations by drawing graphs.		Weeks 38 Revision for End of Year Mock Exams	Half Term Holiday	Weeks 40-41 Revision for End of Year Mock Exams	Week 42 End of Year Exam	Weeks 43-44 Unit 15 Equations & Graphs, Linear & Quadratic Represent inequalities graphically, solve simultaneous equations graphically, iteration
1.5 Weeks Catch up time, Activity Week, Trips.									