

YEAR 10 Higher	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12
AUTUMN	Perimeter, Area and 3D Forms				Solving Quadratics and Simultaneous Equations					Assessment	Fractions, Decimals, Percentages and Ratio	
	<ul style="list-style-type: none"> Area and perimeter Units, accuracy, bounds, error intervals and truncation (including appropriate degree of accuracy and reasoning) Volume and SA of prisms Circles, sectors and arcs Cylinders, spheres, pyramids and cones 				<ul style="list-style-type: none"> Review, linear equations, expanding and factorising Solving quadratics – factorising, formula and completing square (roots and turning points) Setting up and solving linear simultaneous equations Solving quadratic simultaneous equations linear inequalities, number lines and set notation 						<ul style="list-style-type: none"> f.d.p review Probability Combinations and permutations Sample space Experimental and relative frequency 	
SPRING	Probability		Multiplicative reasoning			Similarity and Congruence			Assessment	Further Trigonometry		
	<ul style="list-style-type: none"> Venn diagrams Set Notation Frequency trees Probability tree diagrams Mutually exclusive Independent and conditional 		<ul style="list-style-type: none"> Review multipliers and compound interest Growth and decay Compound measures including SDT, DMV, PFA and others Rates of change Direct and inverse proportional reasoning Capture, recapture 			<ul style="list-style-type: none"> Congruence and geometric proof Similarity and geometric proof Area and volume similarity 				<ul style="list-style-type: none"> Review basic trig Trig graphs and exact values Area of any triangle. 		
SUMMER	Further Trigonometry		Data			Assessment	Fractions, Decimals, Percentages and Ratio					
	<ul style="list-style-type: none"> Sine rule Cosine rule 3-D problems 		<ul style="list-style-type: none"> Sampling including stratified Cumulative frequency Median, Quartiles and IQR Box Plots and comparing in context Histograms including median Comparing data sets including averages and range in context 				<ul style="list-style-type: none"> Review xy tables and plotting graphs Solve simultaneous equations graphically, linear and quadratic Graphical inequalities (regions) Sketching graphs of quadratic functions Use sketch to solve quadratic inequalities Graphs of cubic functions and others 					