

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 11 (First teaching Sept 2022)	H Algebra: Solving Completing the square Iteration Further sim equations Geometry 3D trig Non right angled	H Algebra: Graphing Composite, inverse functions Transformations of graphs Rates of change Area under curve Graphs of trig functions Formal mocks	Revision through reasoning and problem-solving: Multiplicative Best buys, bank accounts, ratio with everything Geometric Reasoning with angle Shape problems – add/split Multi-step problems Algebraic Evaluation of others work Proof Within this focus - class level planning responsive to mock analysis	Formal mocks Class level planning responsive to mock analysis, overseen and supported by maths subject leaders	Final exams Class level planning responsive to mock analysis, overseen and supported by maths subject leaders	Final exams
	F Algebra: Solving Simplifying, solving & rearranging, identities Solving quadratics Geometry Area & volume review Trig, exact values Vectors Arcs & sectors	F Algebra: Graphing Ratio, equations & graphs Plotting graphs Sketching inc cubic, reciprocal Inequalities – solve & shade Formal mocks				
Year 10 (First teaching Sept 2021)	Properties of number Factors, multiples, primes HCF/LCM Bounds Fractional & -ve indices Surds Pythagoras with surds Rationalising the denominator	Similarity Congruent, similar shapes Enlargement Trigonometry FDP Frac/percent op & change Reverse percentages Growth & decay Recurring dec & frac	Combinations & prob Systematic listing Sample spaces Venn diagrams Product rule for counting Probability trees (non-r) Geometry Circles Area, volume Volume/surface area	Algebra & Graphing Straight line graphs – algebra review Function notation Solving quadratics Real life graphs Sketching quadratics Perpendicular lines Equation of circle, tangent	Algebraic fractions Fractions review Algebraic fractions Complex rearranging Visualising Transformations Invariance Vectors, ops Proof using vectors	Formal mocks (July data entry) Displaying data Pie charts, all bar charts Frequency tables Cumulative frequency Histograms Polygons Angles review, polygons Circle theorems
Year 9 Assessment	DOYA – subject portfolio (January data entry)		DOYA subject portfolio + summative exam + academic/enrichment diploma = graduation (July data entry)			
Year 9 (First teaching Sept 2020) What knots are tied by the end of Year 9?	Working with number Rounding, estimation Error Intervals Standard form Indices Working algebraically Expanding & factorising Identities	Numerical reasoning Percentages Money Probability Finding probabilities Frequency trees Probability tree diagrams	Working with data Statistical measures Averages from freq tables Boxplots Geometric reasoning Angles in parallel lines Bearings Constructions & loci	Solving Solving equations Solving inequalities Simultaneous equations Sequences Linear nth term Fibonacci, quad & geom Quadratic nth term	Graphing Straight line graphs Graphical solutions, parallel lines Sketching graphs Rearranging Rearranging formulae Compound measures	Scaling Direct/inverse proportion Units Similarity Visualising Transformations Plans & elevations Surface area
Year 7 & 8 Assessment	1 MCQ	2 MCQ + DOYA	3 MCQ	4 MCQ + DOYA		
Year 8 (First teaching Sept 2020)	Delving into data Angle Interpreting & comparing Averages Scatter graphs	Formalising algebra Solve equations Sequences (nth term) Graphs of linear functions, $y=mx+c$	Proportional relationships Percentages Convert between fractions, decimals & percentages Ratio – with linear functions & fractions Units of measure	Geometrical reasoning 3D shape Volume Angle, constructing triangles Pythagoras		
Year 7 (First teaching Sept 2020)	Fractional thinking Probability Factors, multiples, primes Fractions (+/-)	Algebraic thinking Directed number Manipulating algebra Exploring sequences	Proportional reasoning Fractions (\times/\div) Proportion Ratio Scale diagrams	Using shape Coordinates & introducing straight line graphs Properties of shape Notation/labelling conventions Perimeter & area Circles – area & circumference		

Maths Year 7



SEPTEMBER				OCTOBER				NOVEMBER					
Wk1 Probability	Wk2 Probability representations	Wk3 Factors, multiples & primes	Wk4	Wk5 Fractions- Simplifying, adding and subtracting	Wk6	Wk7	Wk8 Reteach	Wk9 Holiday	Wk10 Reteach T1 Written Assessment				
NOVEMBER			DECEMBER				JANUARY						
Wk11 Directed Number		Wk12	Wk13 Manipulating Algebra			Wk14	Wk15 Holiday		Wk16 Holiday	Wk17 Holiday	Wk18	Wk19 Exploring sequences	Wk20
JANUARY		FEBRUARY				MARCH							
Wk21 Reteach	Wk22 Reteach T2 Written Assessment	Wk23 Fractions- Multiplying and dividing	Wk24	Wk25 Holiday	Wk26 Proportional reasoning inc. best buys	Wk27	Wk28 Ratio – simplify, notation & sharing		Wk29	Wk30 Scale diagrams			
APRIL				MAY				JUNE					
Wk31 Scale diagrams	Wk32 Holiday		Wk33	Wk34 Reteach	Wk35 Reteach T3 Written Assessment	Wk36 Coordinate grids & introducing straight line graphs		Wk37	Wk38 Holiday	Wk39 Properties of shapes, inc symmetry			
JUNE			JULY										
Wk41 Perimeter & area		Wk42 Circle area and circumference		Wk43	Wk44 Reteach	Wk45 Reteach T4 Written Assessment							



Maths Year 8



SEPTEMBER					OCTOBER					NOVEMBER									
Wk1 Draw and measure angles (some calculating) ● ●	Wk2 Interpreting & comparing data				Wk3 Averages				Wk4 Scatter graphs		Wk5 Data project		Wk6 Reteach		Wk7 Holiday		Wk8 Reteach T1 WRITTEN ASSESSMENT		
NOVEMBER					DECEMBER					JANUARY									
Wk9 Solve linear equations ●					Wk10 Sequences – find and use nth term rule ● ●					Wk11 Graphs of linear functions, inc $y=mx+c$		Wk12 Holiday			Wk13 Graphs of linear functions, inc $y=mx+c$				
JANUARY			FEBRUARY					MARCH											
Wk14 Reteach			Wk15 Reteach T2 WRITTEN ASSESSMENT		Wk16 Use Percentages			Wk17 Holiday		Wk18 Convert Fractions/Decimals/Percentages ●		Wk19 Percentage increase/decrease/reverse ●			Wk20 Ratio – linear functions & fractions ● ●		Wk21 Ratio – linear functions & fractions ● ●		
APRIL					MAY					JUNE									
Wk22 Units of measure			Wk23 Holiday		Wk24 Reteach		Wk25 Reteach T3 WRITTEN ASSESSMENT		Wk26 3-d shape		Wk27 Volume ● ●		Wk28 Holiday		Wk29 Volume ● ●		Wk30 Calculating Angles		
JUNE					JULY														
Wk31 Calculating Angles			Wk32 Pythagoras ● ● ●		Wk33 Reteach		Wk34 Reteach T4 WRITTEN ASSESSMENT												



Maths Year 9



SEPTEMBER				OCTOBER				NOVEMBER	
Wk1 Rounding Error intervals	Wk2 Estimation	Wk3 Standard form	Wk4 Indices	Wk5 Basic Algebra Expand & factorise Double brackets (e & f)	Wk6 Basic rearranging	Wk7 Identities	Wk8 Holiday	Wk9 Using percentages & % change	
NOVEMBER			DECEMBER				JANUARY		
Wk11 Reverse percentages	Wk12 Maths & money	Wk13 Probability & frequency trees	Wk14 Probability tree diagrams	Wk15 Statistical measures	Wk16 Holiday	Wk17 Averages from frequency tables	Wk18 Revision, reteach	Wk19 Revision, reteach	
JANUARY		FEBRUARY			MARCH				
Wk21 Written Assessment	Wk22 Boxplots	Wk23 Angles in parallel lines	Wk24 Bearings	Wk25 Holiday	Wk26 Constructions & loci	Wk27 Substitution & use formulae	Wk28 Solving equations Simultaneous equations	Wk29 Linear inequalities (composite)	
APRIL			MAY			JUNE			
Wk31 Linear nth term	Wk32 Holiday	Wk33 Holiday	Wk34 Recognise Fibonacci, quadratic & geometric Quadratic nth term	Wk35 Straight line graphs Graphical solutions, parallel & sketch	Wk36 Rearranging formulae	Wk37 Compound measures	Wk38 Holiday	Wk39 Direct & inverse proportion	
JUNE		JULY							
Wk41 Units Similarity	Wk42 Revision, reteach	Wk43 Written Assessment	Wk44 Transformations	Wk45 Plan & elevation Surface area					

