

CLF Mathematics Year 7 Route Map 2022/2023



SEPTEMBER				OCTOBER			NOVEMBER		
Wk1 Probability	Wk2 Probability representations	Wk3 Factors, multiples & primes	Wk4	Wk5 Fractions- Simplifying, adding and subtracting	Wk6	Wk7	Wk8 Holiday	Wk9 Reteach T1 Written Assessment	Wk10 Reteach (Data drop 11/11/22)
NOVEMBER		DECEMBER				JANUARY			
Wk11 Directed Number (inc Priority of Operations)	Wk12	Wk13 Manipulating Algebra (inc Priority of Operations)	Wk14	Wk15	Wk16 Holiday	Wk17	Wk18 Reteach T2 Written Assessment	Wk19	Wk20 Manipulating Algebra Data drop 27/01/22
JANUARY	FEBRUARY			MARCH					
Wk21 Exploring sequences Data drop 27/01/22	Wk22	Wk23 Fractions- Multiplying and dividing	Wk24 Holiday	Wk25 Fractions- Multiplying and dividing	Wk26 Decimals	Wk27 Proportional reasoning (inc best buys)	Wk28	Wk29 Ratios	Wk30
APRIL			MAY				JUNE		
Wk31 Holiday	Wk32	Wk33 Scale diagrams	Wk34 Coordinate grids & introducing straight line graphs	Wk35	Wk36 Properties of shapes inc symmetry	Wk37	Wk38 Perimeter & area	Wk39 Holiday	Wk40 Perimeter & area
JUNE		JULY							
Wk41 Reteach T3&4 Written Assessment Data drop 30/6/23	Wk42	Wk43 Perimeter & area	Wk44 Circle area and circumference	Wk45					



CLF Mathematics Year 8 Route Map



SEPTEMBER				OCTOBER				NOVEMBER				
Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10			
Draw and measure angles (some calculating)		Interpreting & comparing data		Averages		Scatter graphs		Data project	Holiday	Reteach	T1 WRITTEN ASSESSMENT	Reteach Data drop 11/11/22
NOVEMBER			DECEMBER				JANUARY					
Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20			
Solve linear equations			Sequences – find and use nth term rule		Holiday			Reteach	T2 WRITTEN ASSESSMENT	Graphs of linear functions, inc $y=mx+c$		
JANUARY		FEBRUARY				MARCH						
Wk21	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27	Wk28	Wk29	Wk30			
Graphs of linear functions, inc $y=mx+c$ Data drop 28/01/22		Use Percentages	Holiday	Use Percentages	Calculating with decimals	Fractions, Decimals & Percentages	Percentage increase/decrease/reverse		Ratio – linear functions & fractions			
APRIL				MAY				JUNE				
Wk31	Wk32	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38	Wk39	Wk40			
Holiday		Ratio – linear functions & fractions	Units of measure	3-d shape	Volume		Calculating Angles	Holiday	Calculating Angles			
JUNE		JULY										
Wk41	Wk42	Wk43	Wk44	Wk45								
Reteach		Pythagoras										
T3 WRITTEN ASSESSMENT Data drop 30/06/22												



CLF Mathematics Year 9 Route Map



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	Wk8 Holiday	Wk9 Identities	Wk10 Assessment Data drop 11/11/22
NOVEMBER			DECEMBER				JANUARY		
Wk11 Using percentages Reverse percentages	Wk12 Maths & money	Wk13 Probability & frequency trees	Wk14 Probability tree diagrams	Wk16 Holiday		Wk17 Holiday	Wk18 Statistical measures	Wk19 Averages from frequency tables	Wk20 Revision, reteach
JANUARY		FEBRUARY				MARCH			
Wk21 Assessment	Wk22 Boxplots	Wk23 Angles in parallel lines	Wk24 Holiday	Wk25 Bearings	Wk26 Constructions & loci	Wk27 Substitution & use formulae	Wk28 Solving equations Simultaneous equations	Wk29 Linear nth term	Wk30 Inequalities (Composite)
APRIL				MAY				JUNE	
Wk31 Holiday		Wk32 Linear nth term	Wk33 Recognise Fibonacci, quadratic & geometric Quadratic nth term	Wk34 Straight line graphs Graphical solutions, parallel & sketch	Wk35 Rearranging formulae	Wk36 Units, compound measures	Wk37 Holiday	Wk38 Holiday	Wk39 Direct & inverse proportion
JUNE			JULY						
Wk41 Revision, reteach	Wk42 Assessment Data drop 8/4/22	Wk43 Scale diagrams, maps Similarity	Wk44 Transformations	Wk45 Plan & elevation Surface area					



CLF Mathematics Year 10 Route Map 2022-23



SEPTEMBER				OCTOBER			NOVEMBER		
Wk1 Factors, multiples, primes and HCF/LCM	Wk2	Wk3 Indices & surds Fractional & -ve indices	Wk4	Wk5 Pythagoras Manipulating surds	Wk6	Wk7	Wk8 Holiday	Wk9 Similarity	Wk10 Enlargement
NOVEMBER			DECEMBER			JANUARY			
Wk11 Trigonometry	Wk12 Fractions of, percentages of, perc change Recurring decimals & fractions	Wk13 Reverse percentages	Wk14	Wk15 Compound interest	Wk16 Holiday	Wk17	Wk18 Systematic listing & possibility space diagrams Product rule for counting	Wk19	Wk20 Yr10 Mocks
JANUARY		FEBRUARY			MARCH				
Wk21 Yr10 Mocks Data drop 10/2/23	Wk22 Venn diagrams Prob trees no replacement	Wk23 Circles Volume & surface area	Wk24 Area & volume	Wk25 Holiday	Wk26 Straight line graphs Perpendicular lines	Wk27 Real life graphs	Wk28 Function notation	Wk29 Solving quadratics	Wk30 Equation of a circle
APRIL				MAY				JUNE	
Wk31 Sketching quadratics Tangent	Wk32 Holiday	Wk33	Wk34 Fractions review Algebraic fractions	Wk35	Wk36 Transformations Invariance	Wk37 Vectors	Wk38	Wk39 Holiday	Wk40 Freq tables, bar charts & Cumulative frequency
JUNE		JULY							
Wk41 Pie charts	Wk42 Scattergraphs Histograms	Wk43 Yr10 Mocks Data drop 19/7/23	Wk44	Wk45 Angle review and polygons					



CLF Mathematics Year 11 Route Map – Foundation



This is a guideline – timings are flexible; some topics will not be appropriate for all Foundation classes

SEPTEMBER				OCTOBER				NOVEMBER		
Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10	
Algebra Simplifying, solving & rearranging		Solving quadratics		Congruence	Trig exact values	Vectors	Arcs and sectors	Mock prep	Holiday	Nov Mocks 31st October – 11th Nov Data drop deadline 18th Nov
NOVEMBER			DECEMBER				JANUARY			
Wk11	Wk12	Wk13	Wk14	Wk15	Wk16	Wk17	Wk18	Wk19	Wk20	
Mock feedback	Plotting graphs	Sketching graphs inc cubic and reciprocal	Growth and decay	Inequalities Solve and shade	Holiday		Best buys, bank accounts, ratio with every other topic			
JANUARY		FEBRUARY				MARCH				
Wk21	Wk22	Wk23	Wk24	Wk25	Wk26	Wk27	Wk28	Wk29	Wk30	
Shape problems – add/split Multi-step problems		Mock prep	Holiday	Feb Mocks 21st February – 3rd March Data drop deadline 10th March		Mock feedback	Class level responsive planning & revision following mocks			
APRIL				MAY				JUNE		
Wk31	Wk32	Wk33	Wk34	Wk35	Wk36	Wk37	Wk38	Wk39	Wk40	
Holiday		Class level responsive planning & revision following mocks					EXAMS	Holiday	EXAMS	
JUNE			JULY			AUGUST				
Wk41	Wk42	Wk43	Possible recap topics			Term 1 <ul style="list-style-type: none"> Negative numbers Solving equations Factors, multiples, primes Angle properties Area and circumference of a circle Column vectors 				
EXAMS						Term 2 <ul style="list-style-type: none"> Calculator skills Fraction calculations Ratio <ul style="list-style-type: none"> Simplifying Sharing Plotting graphs Percentages 				
						Term 3 <ul style="list-style-type: none"> Expanding brackets Factorising linear expressions Perimeter Area Volume 				

CLF Mathematics Year 11 Route Map – Higher

This is a guideline – timings are flexible; some topics will not be appropriate for all Higher classes



SEPTEMBER				OCTOBER				NOVEMBER		
Wk1 Further Simultaneous equations	Wk2 Iteration	Wk3 Circle Theorems	Wk4 3D Pythagoras & Trigonometry	Wk5 Non-right angled trigonometry	Wk6 Mock prep	Wk7 Holiday	Wk8 Nov Mocks 31st October – 11th Nov Data drop deadline 18th Nov	Wk9	Wk10	
NOVEMBER			DECEMBER				JANUARY			
Wk11 Mock feedback	Wk12 Complex Rearranging	Wk13 Composite and Inverse Functions	Wk14 Congruency & Similarity	Wk15 3D Sim	Wk16 Bounds	Wk17 Exp graphs	Wk18 Holiday	Wk19 Rate of change & area under a curve	Wk20 Trig graphs	Transformations of graphs
JANUARY		FEBRUARY				MARCH				
Wk21 Geometric proof	Wk22 Proof with vectors	Wk23 Algebraic proof	Wk24 Mock prep	Wk25 Holiday	Wk26 Feb Mocks	Wk27 Mock feedback	Wk28-30 Class level responsive planning & revision following mocks			
APRIL			MAY				JUNE			
Wk31 Class level planning	Wk32 Holiday	Wk33	Wk34-37 Class level responsive planning & revision following mocks				Wk38 EXAMS	Wk39 Holiday	Wk40 EXAMS	
JUNE		Wk41 EXAMS	Wk42	Wk43	Term 1 <ul style="list-style-type: none"> Solving linear equations Linear simultaneous equations Rearranging formulae Angles in polygons Area and circumference of a circle Pythagoras' theorem Trigonometry 		Term 2 <ul style="list-style-type: none"> Function notation Standard form Bounds Area and volume Ratio Calculate with fractions Calculator skills 		Term 3 <ul style="list-style-type: none"> Expand and factorise Triple brackets Algebraic terminology Recurring decimals to fractions Probability Calculator skills 	