

Year 7 to 11 Curriculum Map Subject: Mathematics

1) Number		2) Algebra		3) Ratio	
Unit	Content	Unit	Content	Unit	Content
1a	Fractions	2a	Algebraic manipulation – like terms, brackets, factorising	3a	Compound measures, Velocity/time graphs, Distance/time graphs, Timetables
1b	Percentages	2b	Substitution – formulae, quadratic formulae	3b	Ratio & proportion, Direct and inverse proportion
1c	Factors, multiples, primes, LCM & HCF	2c	Equations and inequalities	3c	Similar shapes, Scales/maps, Area and volume ratio
1d	Calculations (decimals), BIDMAS	2d	Sequences and graphs, trig graphs		
1e	Indices and roots, Surds				
1f	Rounding & place value, Estimation, Standard form, Trial and improvement				
4) Geometry		5) Probability		6) Statistics	
Unit	Content	Unit	Content	Unit	Content
4a	Vectors, Transformations of graphs and transformations	5a	Probability, Designing 2 way tables	6a	Sampling & Data collection
4b	Angles and bearings, Circle theorems, Pythagoras and trigonometry/properties of shapes			6b	Drawing – Time series, Pie, Bar charts, Scatter diagrams, Histograms, Frequency polygons, Cumulative frequency
4c	Area & Volume			6c	Averages – Box plots, Mean of frequency tables, Moving averages
4d	Loci & Construction – congruence, nets, plans & elevations				

