

Mathematics Department teaching calendar Autumn term Year 8

Half-term	Week	Unit		Mathematical content overview	
Autumn 1 Year 8	1	Integers, Powers and Roots		Adding, Subtracting, Multiplying, Dividing integers Powers and Roots <i>(Sequences – leave for later topic)</i>	
	2				
	3	Fractions, Decimals and Percentages		Fractions and Decimals Adding, Subtracting, Multiplying, Dividing fractions Percentages of amounts	
	4				
	5				
	6	Ratio and Proportion		Proportion Ratio Number problems	
	7				
Autumn 2 Year 8	1				
	2	Place Value and Calculations (Higher and Middle ability)	Numbers and Calculations (Lower and Middle ability)	Divisibility Ordering decimal Rounding Calculations Prime factors, LCM's and HCF's Square Roots	
	3				
	4				
	5	Equations and Formulae			
	6				

Mathematics Department teaching calendar Year 8

Half-term	Week	Unit	Mathematical content overview	
Spring 1 Year 8	1	Equations and Formulae <u>continued</u>	Simplifying Expressions Substitution Solving Equations	
	2		Constructing and using formulae Rearranging formulae	
	3			
	4	Graphs (Higher and Middle ability) Graphs and Time (Lower ability)	Drawing straight line graphs $y=mx+c$ Conversion graphs Graphs from real life	Conversion graphs Telling the time Reading timetables
	5			
	6			
Spring 2 Year 8	1	Measures, Area and Perimeter	Metric Measures (<i>not imperial units</i>) Area of rectangles, triangles, parallelograms and trapezia Volume and Surface Area of cuboids	
	2			
	3			
	4	Angles and Shapes	Angle rules Angles and Parallel lines Quadrilaterals Constructions	
	5			
	6			

Mathematics Department teaching calendar Summer Term Year 8

Half-term	Week	Unit	Mathematical content overview
Summer 1 Year 8	1	Probability	Basic Probability Listing outcomes Estimating Probability Comparing Probability
	2		
	3		
	4	Analysing Statistics	Two-way tables <i>(Stem and Leaf diagrams – no longer needed)</i> Averages Scatter graphs Frequency tables Pie charts
	5		
Summer 2 Year 8	1	Transformations	Reflection, Rotation, Enlargement, Translation Rotational Symmetry Combined Transformations Ratio, proportion and scale factors Congruence
	2		
	3		
	4		
	5		