

MATHS



Curriculum Hours		Class Details		Assessments	Exam Board
Sec	periods per week	G3=7 (Nurture)	G4=7 (Nurture)	Yr 7 = Foundation Year End of unit Assessments	Pearson
		GL	KM		
		G5=9 (Yr8/9)	G6=7 (Yr8/9)	Yr 8/9 = Foundation Year End of Unit Assessments	Pearson
		SC	SC		
		G7=9(Yr10)	SC	Yr 10 = Summer Exam / Entry Level 1 or 2	Pearson
		G8=5 (Yr11)	SC	Yr 11 = Summer Exam	Pearson

Secondary Curriculum

Year 8/9/10

Week	Medium Term Plan
1	Integers, powers and roots
2	Integers, powers and roots
3	Assessments
4	Sequences, functions and graphs
5	Sequences, functions and graphs
6	Lines, angles and shapes
7	Lines, angles and shapes
8	Data - interpreting results
9	Data - interpreting results
10	Assessments
11	Construction and loci
12	Calculations and accuracy
13	Calculations and accuracy
14	Transformations
15	Transformations
Christmas	
16	Simplifying and substituting
17	Simplifying and substituting
18	Assessments
19	Ratio and proportion
20	Ratio and proportion
21	Pythagoras' Theorem and trigonometry
22	Pythagoras' Theorem and trigonometry
23	Forming and solving equations
24	Forming and solving equations
25	Assessments
26	Area and perimeter
27	Area and perimeter
28	Probability
29	Volume and surface area
30	Volume and surface area
31	Assessments
32	Fractions, decimals and percentages
33	Fractions, decimals and percentages
34	Measures
35	Assessments
36	Inequalities
37	Inequalities
38	Statistical inquiry
39	Statistical inquiry

Year 11

Aiming for 1	Factors, multiples and primes	Squares, cubes and roots	Place value	Directed numbers	Coordinates	Patterns and sequences	Next term	Collecting like terms	Function machines	Solving linear equations	Use the symbols =, ≠, <, >, ≤, ≥.
Aiming for 3	HCF and LCM	Laws of indices (basic)	Rounding	BIDMAS	nth term	Sketching straight line graphs	Substituting	Expanding and simplifying	Solving linear equations	Deriving equations from words	Solve linear inequalities
Aiming for 5	Standard form	Laws of indices (fractional and negative)	Rounding	Bounds	Solve simultaneous equations graphically	Sketching quadratic and cubic graphs	Expand quadratics	Factorise quadratics	Rearrange formulae	Solve linear simultaneous equations	Represent inequalities graphically
12	Types of 2D/3D shapes and properties	Types of 2D/3D shapes and properties	Types of lines and angles	Measuring lines and angles	Symmetry and rotational symmetry	Reflection	Rotation	Area and perimeter of rectangles	Area and perimeter of triangles	Volume and surface area of cuboids	Read scales
Angles on line/triangle/point	Angles in parallel lines	Plans and elevations	Constructing triangles	Bearings	Reflection and rotation	Enlargement and translation	Area and perimeter of compound shapes and trapeziums	Area and circumference of circles	Volume and surface area of prisms	Time calculations	
Angles in parallel lines	Angles in polygons	Geometrical proofs	Angle and line bisectors	Loci	Transformations	Pythagoras' theorem	SOH CAH TOA	Area and perimeter of sectors	Volume and surface area of cylinders	Speed, distance and time	
23	Averages	Tally charts	Bar graphs	Pictograms	Probability	Frequency trees and systematic listing	Simplify ratios	Ordering decimals	Equivalent fractions	Ordering fractions	FDP conversions
Averages problems	Pie charts	Stem and leaf	Scatter graphs	Relative frequency	Sample space diagrams	Divide into a ratio	Recipes and best value	Calculating with fractions	Percentages of amounts, increasing and decreasing	FDP conversions	
Pie charts	Averages from tables	Scatter graphs	Sampling	Probability trees	Probability trees	Proportion	Exchange rates	Calculating with mixed numbers	Compound interest	Reverse percentages	

Other Info