

Curriculum Maps – Year 8
Maths Higher

Overview of the year: Number Algebra Ratio and Proportion Geometry and Measures Statistics and Probability			Ways to consolidate and extend your learning in Maths: Can use Maths genie questions & worked solutions. Use of Corbett- Maths Use of Mathletics Weekly Maths watch HW with assigned MathsWatch clip numbers Use Lesson PPTs and revision specific materials uploaded on Microsoft Teams.	
Half Term	Unit title	Knowledge	Skills	Assessment
1	Number- 1 Algebra -1	Indices, Highest common factor, Lowest common multiple. Basic Algebra, simplifying expressions, expanding and factorising expressions.	Basic number skills, Can solve problems by applying their mathematics to a variety of routine and non-routine problems. Can break down problems into a series of simpler steps and persevere in seeking solutions.	Midphase assessment Investigation Project
2	Geometry and measures -1 Algebra-2	Surface area and Volume of 3D solids Area and circumference of a circle Real life graphs	Ability to manipulate precise and intricate ideas. Graphical/statistical skills – analysing data from graphs Ability to reach conclusions.	End of term topic test- Written assessment.
3	Geometry and Measures- 2 Number -2	Transformation- Rotation, Reflection, Translation and Enlargement Decimals- recurring decimals	Reason mathematically, critical thinking Problem solving, analytical thinking Quantitative reasoning	Midphase assessment Investigation Project
4	Number -3 Geometry and measures -3	Percentages- Reverse percentages and repeated percentages Construction and Loci	Critical thinking, problem solving, quantitative Reasoning, construct logical arguments and Expose illogical arguments	End of term topic test- Written assessment.
5	Statistics and Probability- 1 Ratio and Proportion -1	Probability Scale drawings	Critical thinking, problem solving Quantitative reasoning	Midphase assessment Investigation Project
6	Ratio and Proportion -2 Algebra -3	Similarity and congruence Straight line graphs Equation of straight lines Non- linear graphs	Critical thinking, problem solving Quantitative reasoning, ability to manipulate Precise and intricate ideas	End of year test- Written assessment