

Curriculum Maps – Year 8  
**Maths Intermediate**

<b>Overview of the year:</b> Number Algebra Ratio and Proportion Geometry and Measures Statistics and Probability			<b>Ways to consolidate and extend your learning in Maths:</b> 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  Geometry and measures - 1	Basic Arithmetic Indices, Highest common factor, Lowest common multiple. Area of 2d shapes Surface area and Volume of 3D solids – Cubes and Cuboids	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	Statistics and Probability- 1  Algebra-1	Data collection Representing data Averages Basic Algebra, simplifying expressions, expanding, and factorising expressions, solving equations.	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	Algebra-2 Number -2	Real life graphs Decimals	Reason mathematically, critical thinking  Problem solving, analytical thinking. quantitative  Reasoning	Midphase assessment Investigation Project
4	Ratio and proportion -1 Geometry and measures -2	Understanding ratios Lines and angles	Critical thinking, problem solving, quantitative  Reasoning, construct logical arguments and Expose illogical arguments	End of term topic test- Written assessment.
5	Number-3 Algebra -3	Calculating with Fractions Straight line graphs	Critical thinking, problem solving  Quantitative reasoning	Midphase assessment Investigation Project
6	Number -4	Fractions Decimals Percentages	Critical thinking, problem solving  Quantitative reasoning, ability to manipulate precise and intricate ideas	End of year test- Written assessment