

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 Ratio and Proportion 1 Geometry and measures -1	Basic arithmetic Understanding ratio and proportion Surface area and Volume of 3D shapes- cubes and cuboids Conversion between units Nets of 3d solids.	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- bar charts, pie charts Solving linear equation	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 Algebra 2	Angles Decimals calculation	Reason mathematically, critical thinking  Problem solving, analytical thinking  Quantitative reasoning	Mid-phase assessment Investigation Project
4	Number -3  Algebra 3	Indices and roots Prime factor form, Highest common factor. Lowest common multiples Sequences	Critical thinking, problem solving, quantitative  Reasoning, construct logical arguments and Expose illogical arguments	End of term topic test- Written assessment.
5	Number -4	Fractions, decimals and percentages	Critical thinking, problem solving  Quantitative reasoning	Mid-phase assessment Investigation Project
6	Statistics and Probability- 2	Probability	Critical thinking, problem solving  Quantitative reasoning, ability to manipulate Precise and intricate ideas	End of year test- Written assessment