

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	Basic arithmetic Powers and roots Prime factor form, Highest common factor, Lowest common multiple Sequences	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.	Mid-phase assessment Investigation Project
2	Statistics -1 Number- 2	Plan and collect data Two-way tables, Scatter graphs Fractions, decimals, and Percentages	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 -1	Volume of a cuboid Construction 2d – 3d shapes Angles Pythagoras Theorem	Reason mathematically, critical thinking problem solving, analytical thinking quantitative reasoning	Mid–phase assessment Investigation Project
4	Algebra -2 Ratio and Proportion 1	Real life graphs Gradient of a line Multiplicative reasoning- Understanding ratio and proportion	critical thinking, problem solving, quantitative reasoning,	End of term topic test- Written assessment.
5	Geometry and Measures -2	Circles Area of 2d shapes	critical thinking, problem solving quantitative reasoning	Mid-phase assessment Investigation Project
6	Statistics and Probability -2 Geometry and measures- 3	Probability Transformation	critical thinking, problem solving quantitative reasoning, ability to manipulate precise and intricate ideas, construct logical arguments and expose illogical arguments	End of year test- Written assessment