Subject area: Year 7 Mathematics (Stage 6)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics	Numbers and the Number System Checking, Approximating and Estimating Calculating	Calculating:Division Visualising and Constructing Investigating Properties of Shapes	Algebraic Proficiency:using formulae Exploring Fractions, Decimals and Percentages Proportional Reasoning Pattern Sniffing	Measuring Space Investigating Angles Calculating Fractions, Decimals and Percentages	Solving Equations And Inequalities Calculating Space Mathematical Movement	Presentation of Data Measuring Data Revision of key concepts as identified from assessments
Assessment	1 BAM Test	1 BAM Test	4 BAM Tests	4 BAM Tests	2 BAM Tests	Full assessment (2 exam papers) to cover all topics. 1 BAM Test
H/W	45 – 60 minute homework per week	45 – 60 minute homework per week	45 – 60 minute homework per week	45 – 60 minute homework per week	45 – 60 minute homework per week	45 – 60 minute homework per week

Building on prior learning	**Key points for the year will include:** **• Multiply and divide numbers with up to three decimal places by 10, 100, and 1000** **• Use long division to divide numbers up to four digits by a two-digit number** **• Use simple formulae expressed in words** **• Generate and describe linear number sequences** **• Use simple ratio to compare quantities** **• Write a fraction in its lowest terms by cancelling common factors** **• Add and subtract fractions and mixed numbers with different denominators** **• Multiply pairs of fractions in simple cases** **• Find percentages of quantities** **• Solve missing angle problems involving triangles, quadrilaterals, angles at a point and angles on a straight line** **• Calculate the volume of cubes and cuboids** **• Use coordinates in all four quadrants** **• Calculate and interpret the mean as an average of a set of discrete data**
Enrichment within the Curriculum	**National Mathematics Challenge for students who show very good problem solving skills.**
Extracurricular opportunities	**Lunchtime support offered where students require extra help.**
Positive impacting on personal development (SMSC)	**In Maths lessons students are always encouraged to delve deeper into their understanding of Mathematics and how it relates to the world around them.** **Problem solving skills and teamwork are fundamental to Mathematics, through creative thinking, discussion, explaining and presenting ideas. Students are always encouraged to develop their Mathematical reasoning skills, communicating with others and explaining concepts to each other. Self and peer reviewing are very important to enable students to have an accurate grasp of where they are and how they need to improve.**
Preparing for	**Development of topics in the areas of Number, Ratio and Proportion, Algebra, Geometry and Statistics.**

Ways to support your child's learning	Check student planner / SPACE for Maths homework and support them with this. Access to commercial websites, have many resources and videos for you to help support your child's learning and revision for assessments. Numeracy can be developed adding totals during a supermarket shop, working with percentages in shop sales etc. **Useful Websites:** **Corbettmaths-** www.corbettmaths.com **Mymaths-** https://www.mymaths.co.uk/ **BBC Bitesize-** https://www.bbc.co.uk/bitesize/examspecs/z9p3mnb **Mathsgenie-** https://www.mathsgenie.co.uk/gcse.html **Mathsbot-** https://mathsbot.com/ **Maths Made Easy-** https://mathsmadeeasy.co.uk/ **On Maths-** https://www.onmaths.com/ **Exam Solutions-** https://www.examsolutions.net/gcse-maths/ **Study Maths-** https://studymaths.co.uk/