Subject Area: Mathematics

'We aim to provide students with the mathematical tools, problem solving skills and confidence to make sense of the world around them and to appreciate the beauty of mathematics.
We promote active participation and resilience, which increases future opportunities, employability and enriches lives'

Curriculum Overviews	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	**Algebraic Thinking** Sequences Algebraic Notation Equality and Equivalence	**Place value and Proportion** Ordering integers and decimals Fractions, decimals and percentage equivalence	**Applications of Number** Solving problems with addition, subtraction, multiplication and division	**Directed Number** Four operations with directed numbers Fractional Thinking	**Lines and Angles** Geometric notation and geometric reasoning	**Reasoning with Number** Number sense, sets and probability Prime numbers ad proof
Year 8	**Proportional Reasoning** Ratio and scale Multiplicative change Multiplying and dividing fractions	**Representations** Working in the cartesian plane Representing data Tables and probability	**Algebraic Techniques** Brackets, equations, inequalities and sequences Using indices	**Developing Number** Fractions and percentages Standard index form Number sense	**Developing Geometry** Angles in parallel lines and polygons Area of trapezia and circles Line symmetry and reflection	**Reasoning with data** The data handling cycle Measures of location
Year 9	**Reasoning with Algebra** Forming and solving equations Straight line graphs Testing conjectures	**Constructing in 2 and 3 dimensions** 3 Dimensional shapes Constructions and congruency	**Reasoning with Number** Types of Numbers Using percentages Maths and money	**Reasoning with Geometry** Deduction Rotation and translation Pythagoras Theorem	**Reasoning with Proportion** Enlargement and similarity Solving ratio and proportion problems Rates of change	**Representations and revision** Probability Algebraic representation Revision

Exam Boards and Useful Websites:

Key Stage 3 (Year 7, 8 and 9)
White Rose Mathswatch.co.uk/vle Mathspad.co.uk