Mathematics Foundation

Curriculum intent:

It is the intention of St Gregory's Mathematics department to deliver a curriculum that will develop the skills set out in the National curriculum and promote an appreciation of Mathematics as a creative and highly interconnected discipline providing the solution to some of history's most intriguing problems. Aiming to provide students with a sense of enjoyment and curiosity about the subject together with an appreciation of the beauty and power of Maths in different cultures.

We endeavour to provide support across a range of subjects with an emphasis on problem-solving and developing Mathematical fluency across the whole school curriculum, narrowing gaps that students may have with the basic numeracy skills essential within everyday life.

Year 10 (F)

	Content	Concepts and Skills
TERM 1	Integers, Decimals and Place Value Decimals, Indices, Powers and Roots Factors, Multiples and Primes Algebra the basics Expressions and substitution into formula Tables, Charts, Graphs, Pie Charts Scatter Graphs Fractions, Decimals and Percentages Equations and Inequalities	• knowledge of core principles • application of skills • problem solving • evaluation • group work • peer coaching • revision skills • examination technique
TERM 2	Sequences Properties of shapes, angles facts Parallel Lines, Interior and Exterior Angles of polygons Statistics, sampling and the averages Perimeter, area and volume Circles, cylinders, cones and spheres Real Life Graphs Straight Line Graphs	• knowledge of core principles • application of skills • problem solving • evaluation • group work • peer coaching • revision skills • examination technique
TERM 3	Transformations Ratio Proportion Right angled Triangles, Pythagoras and Trigonometry	• knowledge of core principles • application of skills • problem solving • evaluation • group work • peer coaching • revision skills • examination technique