



# Mathematics



Archdiocese of Liverpool

## 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 9

	Content	Concepts and Skills
TERM 1	<ul style="list-style-type: none"><li>• Straight line graphs.</li><li>• Forming and solving equations.</li><li>• Testing conjectures.</li><li>• Three dimensional shapes.</li><li>• Construction and congruency.</li></ul>	<ul style="list-style-type: none"><li>• Reasoning with algebra.</li><li>• Constructing in 2 &amp; 3 dimensions.</li></ul>
TERM 2	<ul style="list-style-type: none"><li>• Numbers</li><li>• Using percentages.</li><li>• Maths and money.</li><li>• Deduction.</li><li>• Rotation and translation.</li><li>• Pythagoras' theorem.</li></ul>	<ul style="list-style-type: none"><li>• Reasoning with number.</li><li>• Reasoning with geometry.</li></ul>
TERM 3	<ul style="list-style-type: none"><li>• Enlargement and similarity.</li><li>• Solving ratio and proportion problems.</li><li>• Rates.</li><li>• Probability.</li><li>• Algebraic representation.</li></ul>	<ul style="list-style-type: none"><li>• Reasoning with proportion.</li><li>• Representations and revision.</li></ul>

