

## Yr. 9 Maths (STEM Subject) – Curriculum Map

Advent 1 Number and Algebra	Advent 2 Geometry and Measures	Disciplinary Skills	Lent 1 Number Handling Data	Lent 2 Algebra Ratio and Proportion	Learning is revisited and retrieved through low states quizzes, Do it Now activities, formal testing.	Pentecost 1 Geometry and Measure	Pentecost 2 All Disciplinary Skills	Books
<p><b>Intent:</b></p> <p>Apply knowledge of prime numbers and factors to find HCF and LCM</p> <p>Expand single and double brackets</p> <p><b>Careers</b> Cryptography, Algorithm Engineer</p>	<p><b>Intent:</b></p> <p>Work out angles in parallel lines</p> <p>Use conversions to work out map scales <b>(Cross-Curricular Geography)</b></p> <p><b>Careers</b> Cartographer, Land Surveyor, Archaeologist, Meteorologist, Construction Worker, Interior Designer, Architecture, Plumber</p>	<p>Number Algebra Geometry and Measures Ratio and Proportion Probability Handling Data (Statistics)</p> <p><b>Advent 1 – Assessment</b> Testing knowledge &amp; skills of key content.</p> <p><b>Advent 2 – Assessment</b> Testing knowledge &amp; skills of key content</p>	<p><b>Intent</b></p> <p>How to use sampling methods to analyse large groups of data <b>(Cross-Curricular Geography)</b></p> <p><b>Careers</b> Data Analyst (Business, Marketing, Government)</p>	<p><b>Intent:</b></p> <p>Understand proportional links between speed, distance and time <b>(Cross-Curricular Physics)</b></p> <p><b>Careers</b> Navigation, Physics Teacher, Surveyor</p>	<p><b>Lent 1</b> Testing knowledge &amp; skills of key content.</p> <p><b>Lent 2</b> Testing knowledge &amp; skills of key content.</p> <p><b>Careers</b> <a href="https://www.mathscareers.org.uk/">https://www.mathscareers.org.uk/</a></p>	<p><b>Intent</b></p> <p>How to use Pythagoras' Theorem <b>(Cross-Curricular Physics)</b></p> <p><b>Careers</b> Farming, Gardening, Agriculture, Construction, Aviation, Engineering and Product Design</p>	<p><b>Intent</b></p> <p>How to plot graphs</p> <p>Retrieval of work completed in year7 and 8</p> <p><b>Careers</b> Stockbroker, Data Analyst</p>	<p><a href="https://simonsingh.net/books/">https://simonsingh.net/books/</a></p> <p><a href="https://www.waterstones.com/category/science-technology-medicine/mathematics-and-science/mathematics">https://www.waterstones.com/category/science-technology-medicine/mathematics-and-science/mathematics</a></p> <p><b>Maths Clubs</b> <a href="https://parallel.org.uk/">https://parallel.org.uk/</a></p> <p><b>Pentecost 1</b> Testing knowledge &amp; skills of key content.</p> <p><b>Pentecost 2</b> Testing knowledge &amp; skills of key content.</p>
<p><b>CATHOLIC SOCIAL TEACHING</b> <b>To consider:</b></p> <ul style="list-style-type: none"> <li>• Solidarity when interpreting data on poverty and equality.</li> <li>• Stewardship when studying data on environmental issues and in your own daily life.</li> <li>• The Common Good in every lesson and interaction.</li> </ul>					<p><b>READING 3-2-1</b></p> <p>The importance of literacy for mathematics based on maths in the news.</p>			