

## 1c. Curriculum Overview: Mathematics



SAINTS PETER AND PAUL  
CATHOLIC HIGH SCHOOL

Year 10 Mathematics			
Refer to	Term 1 – September to December	Term 2 – January to March	Term 3 – April to July
KS4 NC And GCSE Specification	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> <li>• Probability – Probability</li> <li>• Geometry – Transformations</li> <li>• Statistics – Representing data</li> <li>• Algebra – Graphs and inequalities</li> </ul> <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> <li>• Baseline assessment</li> <li>• Progress checkers as per GCSE assessment criteria on each of the topics covered this term (approximate weighting 50% AO1, 50% AO2/AO3)</li> <li>• Summative synoptic assessment based on topics covered in term 1</li> </ul> <p><b><u>What is the standardised homework?</u></b> Weekly online task on <a href="http://www.hegartymaths.com">www.hegartymaths.com</a> – these alternates between a consolidation of in-class content, revision of prior knowledge and recapping skills ahead of upcoming topics MemRi task set which revisits previously correctly answered topics on Hegarty to boost mathematical automaticity and consolidation.</p>	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> <li>• Number – Percentages</li> <li>• Geometry – Volume and surface area</li> <li>• Algebra – Quadratics</li> <li>• Geometry – Angles</li> <li>• Ratio and Proportion – Multiplicative reasoning</li> </ul> <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> <li>• Progress checkers as per GCSE assessment criteria on each of the topics covered this term (approximate weighting 50% AO1, 50% AO2/AO3)</li> <li>• Summative synoptic assessment based on topics covered in term 1 and 2</li> </ul> <p><b><u>What is the standardised homework?</u></b> Weekly online task on <a href="http://www.hegartymaths.com">www.hegartymaths.com</a> – these alternates between a consolidation of in-class content, revision of prior knowledge and recapping skills ahead of upcoming topics MemRi task set which revisits previously correctly answered topics on Hegarty to boost mathematical automaticity and consolidation.</p>	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> <li>• Number – Surds</li> <li>• Number – Standard form</li> <li>• Geometry – Further trigonometry (H)</li> <li>• Statistics – Interpreting charts</li> <li>• Geometry – Angles (polygons)</li> <li>• Geometry – Circle theorems (H)</li> <li>• Algebra – Formulae</li> <li>• Number – Fractions, decimals and percentages</li> </ul> <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> <li>• Progress checkers as per GCSE assessment criteria on each of the topics covered this term (approximate weighting 50% AO1, 50% AO2/AO3)</li> <li>• End of year assessment (past paper exam series)</li> </ul> <p><b><u>What is the standardised homework?</u></b> Weekly online task on <a href="http://www.hegartymaths.com">www.hegartymaths.com</a> – these alternates between a consolidation of in-class content, revision of prior knowledge and recapping skills ahead of upcoming topics MemRi task set which revisits previously correctly answered topics on Hegarty to boost mathematical automaticity and consolidation.</p>

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Year 11 Mathematics			
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GCSE Specification	<p><b><u>What are the students learning?</u></b></p> <ul style="list-style-type: none"> <li>Algebra – Graphs and inequalities</li> <li>Geometry – Angles</li> <li>Algebra – Formulae</li> <li>Geometry – Construction</li> <li>Number – Fractions, Decimals and Percentages</li> </ul> <p><b><u>What are the key standardised assessments?</u></b></p> <ul style="list-style-type: none"> <li>Progress checkers as per GCSE assessment criteria on each of the topics covered this term (Higher: 40% AO1, 30% AO2, 30% AO3 and Foundation: 50% AO1, 25% AO2, 25% AO3)</li> <li>In-class mock assessments (full past paper exam series)</li> </ul> <p><b><u>What is the standardised homework?</u></b></p> <ol style="list-style-type: none"> <li>Weekly online task on <a href="http://www.hegartymaths.com">www.hegartymaths.com</a> – <i>these alternates between a consolidation of in-class content, revision of prior knowledge and recapping skills ahead of upcoming topics</i></li> <li>Preparation for weekly Low Stakes Quiz which takes place in the final lesson of each week</li> <li>Weekly past exam papers are issued in class and completed at home as part of preparation for summer exam series.</li> </ol>	<p><b><u>What are the students learning?</u></b></p> <ul style="list-style-type: none"> <li>Algebra – Equations</li> <li>Geometry - Trigonometry (H)</li> <li>Geometry - Area (F)</li> <li>Ratio and Proportion – Congruence and Similarity</li> <li>Geometry - Vectors</li> <li>Algebra – Functions and proof (H)</li> </ul> <p><b><u>What are the key standardised assessments?</u></b></p> <ul style="list-style-type: none"> <li>Progress checkers as per GCSE assessment criteria on each of the topics covered this term (Higher: 40% AO1, 30% AO2, 30% AO3 and Foundation: 50% AO1, 25% AO2, 25% AO3)</li> <li>Mock exam series (past paper exam series)</li> </ul> <p><b><u>What is the standardised homework?</u></b></p> <ol style="list-style-type: none"> <li>Weekly online task on <a href="http://www.hegartymaths.com">www.hegartymaths.com</a> – <i>these alternates between a consolidation of in-class content, revision of prior knowledge and recapping skills ahead of upcoming topics</i></li> <li>Preparation for weekly Low Stakes Quiz which takes place in the final lesson of each week</li> <li>Weekly past exam papers are issued in class and completed at home as part of preparation for summer exam series.</li> </ol>	<p><b><u>What are the students learning?</u></b></p> <ul style="list-style-type: none"> <li>Statistics</li> <li>Bespoke revision tailored to the needs of students. Detailed QLA of the mock exam series identify which areas of focus are needed on a class-by-class need.</li> <li>Thematic revision and exam strategy preparation</li> </ul> <p><b><u>What are the key standardised assessments?</u></b></p> <ul style="list-style-type: none"> <li>No new assessments other than weekly homework papers which are marked and monitored by class teacher. Previous progress checkers revisited and learning gaps addressed.</li> </ul> <p><b><u>What is the standardised homework?</u></b></p> <ol style="list-style-type: none"> <li>Weekly online task on <a href="http://www.hegartymaths.com">www.hegartymaths.com</a> – <i>these alternates between a consolidation of in-class content, revision of prior knowledge and recapping skills ahead of upcoming topics</i></li> <li>Preparation for weekly Low Stakes Quiz which takes place in the final lesson of each week</li> <li>Weekly past exam papers are issued in class and completed at home as part of preparation for summer exam series.</li> </ol>

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