



Mathematics

Name of Course	GCSE Mathematics
Exam Board	Edexcel 1MA1
Curriculum Outline	<p>In both tiers of entry the Maths GCSE course is split into 5 topic areas:</p> <ul style="list-style-type: none">• Number• Algebra• Ratio, Proportion and Rates of change• Geometry and Measures• Statistics and Probability <p>There are 3 assessment objectives with different weightings depending upon the tier of entry:</p> <ul style="list-style-type: none">• AO1 – Use and apply standard techniques• AO2 – Reason, interpret and communicate mathematically• AO3 – Solve problems within mathematics and other contexts
Learning & Assessment Method	<p>Assessment consists of three written examination papers for both tiers each with the same weighting of 80 marks:</p> <ul style="list-style-type: none">• Paper 1 – Non calculator – 1hr 30mins• Paper 2 – Calculator – 1hr 30mins• Paper 3 – Calculator – 1hr 30mins
Curriculum Intent	<p>Maths is for everyone. It is diverse, engaging and essential in equipping pupils with the right skills to reach their future destination, whatever that may be. In order to support this, the Maths curriculum has been devised to allow pupils to explore and succeed.</p> <p>The Maths curriculum builds on concepts from KS3 to further develop mathematical ideas and introduces more complex concepts. As the curriculum progresses over time it allows for greater fluency, reasoning and competence in solving increasingly sophisticated problems.</p>



St Aidan's Catholic Academy

'We believe that God has created each person to celebrate *life to the full*'



<p>Career and Learning Progression</p>	<p>Maths provides a strong foundation for further academic or vocational study and for employment. This includes A Level Maths courses as well as A Level and undergraduate courses in other disciplines such as biology, geography and psychology, where the understanding and application of mathematics is crucial.</p> <p>For those pupils with a strong Mathematical background there are a huge range of careers to choose from, such as:</p> <table><tr><td>Engineer</td><td>Economist</td></tr><tr><td>Teacher</td><td>Accountant</td></tr><tr><td>Banking</td><td>Business owner</td></tr><tr><td>Medicine</td><td>Actuary</td></tr><tr><td>Pharmacist</td><td>Merchant banking</td></tr></table>	Engineer	Economist	Teacher	Accountant	Banking	Business owner	Medicine	Actuary	Pharmacist	Merchant banking
Engineer	Economist										
Teacher	Accountant										
Banking	Business owner										
Medicine	Actuary										
Pharmacist	Merchant banking										
<p>Useful Links</p>	<p>Edexcel GCSE and GCE 2014 (pearson.com)</p> <p>Maths - St. Aidan's Catholic Academy St. Aidan's Catholic Academy</p>										