

<b>Course information for Parents</b>			
<b>Key Stage:5</b>		<b>Subject: A-level Mathematics</b>	
<b>Faculty Area</b>	Mathematics	<b>Head of Department contact information</b>	Mr M Sheppee <a href="mailto:msheppee@thehazeleyacademy.com">msheppee@thehazeleyacademy.com</a>
<b>Examination Board</b>	Edexcel	<b>Specification Codes</b>	9MA0
<b>Subject Content</b>			
<p><b>Pure Mathematics:</b> Algebra and functions, sequences, coordinate geometry, vectors, differentiation, integration, trigonometry; exponentials and logarithms, numerical methods, differential equations, problem solving, mathematical proofs, etc.</p> <p><b>Statistics</b> Modelling &amp; problem solving based on a large real life data set making use of modern technologies and concepts to do with sampling, presentation and interpretation of data, probability, statistical distributions, hypothesis testing , etc.</p> <p><b>Mechanics</b> Modelling, constant accelerated motion, forces and motion, variable accelerated motion including projectiles, moments, etc.</p>			
<b>Additional Equipment Needed</b>			
Any scientific calculator with an iterative function, ability to compute summary statistics and access probabilities from standard statistical distribution is fine but graphical calculators are recommended. Examples of suitable calculators are Casio FX- CG50 (graphical), Casio FX-991EX Classwiz (non-graphical), etc. Calculators with a facility for symbolic algebra, differentiation and integration are not permitted)			
<b>Assessment Details</b>			
100% exam in June 2020. 3 papers (each being one third of the qualification) Papers 1 and 2 on Pure Maths ,Paper 3 on Statistics and Mechanics To be successful students will need a very good grasp of all the algebraic concepts covered in GCSE Maths			
<b>What can I do to support my child at home?</b>			
<ul style="list-style-type: none"> <li>• Encourage your child to complete all homework and hand them in on time</li> <li>• Encourage your child to come to the after school support sessions and to use free periods to review notes and practise questions.</li> <li>• Encourage your child to start doing past exam papers early and not wait till the last few weeks before the exam.</li> <li>• Encourage your child to attend all lessons.</li> </ul>			
<b>Recommended resources for the course:</b>			
<b>Books:</b> Course textbooks are provided for students to use.			
<b>Websites:</b>			
<a href="http://www.undergroundmathematics.org">www.undergroundmathematics.org</a>			
<a href="http://www.integralmaths.org">www.integralmaths.org</a>			
<a href="http://www.hegartymaths.com">www.hegartymaths.com</a>			
<a href="http://www.physicsandmathstutor.com">www.physicsandmathstutor.com</a>			
<b>Teaching Staff Contact Details</b>			
<b>Name</b>	<b>Role</b>	<b>Email</b>	<b>Tel</b>
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