

Curriculum Information Bramcote College

Year Group: 12

Subject: Maths AS level

Objectives/purpose	
Autumn Term	<p>Algebraic expressions, Quadratics and Inequalities (Chapters 1,2,3&7)</p> <p>Graphs and Circles (Chapters 4,5,6)</p> <p>Unit Assessments : U1, U2</p>
Spring Term	<p>Trigonometry, Differentiation, Integration Exponentials (Chapters 9, 10, 12 -14)</p> <p>Binomial, Vectors (Chapters 8 & 11)</p> <p>Unit Assessments : U3 - 8</p>
Summer Term	<p>Statistics : Location and spread, Correlation, Probability, Binomial and hypothesis Testing (Chapters 1-7)</p> <p>Unit Assessments : US 2-5</p> <p>Mechanics : Modelling, SUVAT, Forces</p> <p>Unit Assessments : UM 6-9</p>
How is progress measured?	<p>By formally assessed unit tests and homeworks</p> <p>End of year exams</p>
How is the subject externally examined? (KS4 and KS5)	<p>End of Year 13</p> <p>2 x Pure Maths papers</p> <p>1 X Stats and Mechanics paper</p> <p>Exam board Edexcel</p>
Extending Learning at home	<p>Students are given an independent study exercise book and 2 textbooks.</p> <p>They are expected to complete 3-4 hours independent study as well as the formally assessed yellow sheet homework.</p>
Support Available	<p>After school revision sessions run one night a week.</p>
Useful web addresses and book resources/revision guides	<p>https://www.physicsandmathstutor.com/maths-revision/solutionbanks/</p> <p>https://qualifications.pearson.com/en/support/support-topics/exams/past-papers.html?Qualification-Family=A-Level&Qualification-Subject=Mathematics%20(2017)&Status=Pearson-UK:Status%2FLive&Specification-Code=Pearson-UK:Specification-Code%2Fmaths-2017-as-al</p>

