| SUBJECT: Mathematics EXAM BOARD: AQA | TOOT HILI COLLEGE |
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| Course Overview (Y12) | Pure Maths Proof, Indices & Surds, Quadratic Functions, Polynomials, Using Graphs, Coordinate Geometry, Logarithms, Exponential Models, Binomial Expansion, Trigonometric Functions & Equations, Triangle Geometry, Differentiation, Applications of Differentiation, Integration. <i>Mechanics</i> Vectors, Introduction to Kinematics, Motion with Constant Acceleration, Forces & Motion, Objects in Contact. <i>Statistics</i> Working with Data, Probability, Statistical Hypothesis Testing. |
| Useful websites | www.aqa.org.uk - specification, specimen papers. http://www.mathcentre.ac.uk/ - support materials, free of charge. There are a variety of resources - self study guides; test yourself diagnostics and exercises; video tutorials; iPod and 3G mobile phone downloads; and case studies. Resources are available on-line, and may be printed or downloaded. http://plus.maths.org/content/ - <i>Plus</i> is an internet magazine written by the Millenium Mathematics Project which aims to introduce readers to the beauty and the practical applications of mathematics. |
| Essential text books and reading list | A Level Mathematics for ACA Suder Book 1 (AS/Year 1) A Level Mathematics for AQA Student Book 1 (AS/Year 1) Authors: Stephen Ward, Paul Fannon Publisher: Cambridge University Press ISBN-13: 9781316644225 |

You will also require a Casio FX-991EX ClassWiz calculator or a graphics calculator.

