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| C:\Work\Website\Website Resources\School Logos\Toot Hill College\THSFC_Badge.pngSUBJECT: Level 3 Mathematical Studies (Core Maths)EXAM BOARD: AQA |
| Course Overview (Y12) | **Paper 1**Analysis of data (sampling, calculating averages), Maths for personal finance (e.g. student loans, mortgages, interest rates and APR, income tax and National Insurance), Estimation and critical analysis of given data.**Paper 2**Critical analysis of given data and models, The Normal Distribution, Probabilities and estimation, Correlation and regression.  |
| Useful websites | [www.aqa.org.uk](http://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/> - *Plus* is an internet magazine written by the Millenium Mathematics Project which aims to introduce readers to the beauty and the practical applications of mathematics.  |
| Optional text book and reading list | Mathematical Studies for AQA Level 3 (Core Maths)**Authors:** [Heather Davis](https://www.amazon.co.uk/s/ref%3Ddp_byline_sr_book_1?ie=UTF8&field-author=Heather+Davis&search-alias=books-uk&text=Heather+Davis&sort=relevancerank), [Andrew Manning](https://www.amazon.co.uk/s/ref%3Ddp_byline_sr_book_2?ie=UTF8&field-author=Andrew+Manning&search-alias=books-uk&text=Andrew+Manning&sort=relevancerank), [Dave Gale](https://www.amazon.co.uk/s/ref%3Ddp_byline_sr_book_3?ie=UTF8&field-author=Dave+Gale&search-alias=books-uk&text=Dave+Gale&sort=relevancerank), [Steve Lomax](https://www.amazon.co.uk/s/ref%3Ddp_byline_sr_book_4?ie=UTF8&field-author=Steve+Lomax&search-alias=books-uk&text=Steve+Lomax&sort=relevancerank), [Marc North](https://www.amazon.co.uk/s/ref%3Ddp_byline_sr_book_5?ie=UTF8&field-author=Marc+North&search-alias=books-uk&text=Marc+North&sort=relevancerank), [Anne Haworth](https://www.amazon.co.uk/s/ref%3Ddp_byline_sr_book_6?ie=UTF8&field-author=Anne+Haworth&search-alias=books-uk&text=Anne+Haworth&sort=relevancerank), [Ruth Jones](https://www.amazon.co.uk/s/ref%3Ddp_byline_sr_book_7?ie=UTF8&field-author=Ruth+Jones&search-alias=books-uk&text=Ruth+Jones&sort=relevancerank), [David Bowman](https://www.amazon.co.uk/s/ref%3Ddp_byline_sr_book_8?ie=UTF8&field-author=David+Bowman&search-alias=books-uk&text=David+Bowman&sort=relevancerank), [Elaine Lambert](https://www.amazon.co.uk/s/ref%3Ddp_byline_sr_book_9?ie=UTF8&field-author=Elaine+Lambert&search-alias=books-uk&text=Elaine+Lambert&sort=relevancerank)**Publisher:** Hodder Education **ISBN-13:** 978-1471863752You will also require a Casio scientific or FX-991CW ClassWiz calculator. This will be available from school via Scopay at an approximate cost of £25  |