

Year 12 CORE MATHS Curriculum Map

| Term | Topic/Unit title | Essential knowledge and skills (what students should know, understand and be able to do by the end of the unit/topic) |
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| Autumn 1 | Data, Collecting and Sampling | Understand how to collect a representative sample from a parent population using the different sampling methods. |
| Autumn 2 | Representing data numerically and diagrammatically | Know how to find measures of central tendency (averages) and measures of spread (standard deviation and ranges) Know how to represent different types of data graphically. |
| Spring 1 | Maths for personal finance | Know how to use spreadsheets to make basic calculations involving finance Solve various financial problems involving mortgages, students loans and various forms of credit. |
| Spring 2 | Sampling and the normal distribution | Know how to make estimates and inferences from normally distributed populations, and have an understanding of the degrees of confidence involved in these estimates. |
| Summer 1 | Correlation and regression, revision and assessment. | Know how to calculate the product moment correlation coefficient Know how find the equation of a regression line and use it to make predictions. |
| Summer 2 | Public examination taken | |