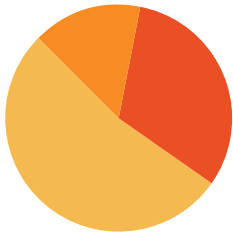


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# A Level Statistics





Statistics can be seen as a subject relating to the collection, analysis, interpretation or explanation and presentation of data. Statistics is the branch of Mathematics which is used in situations involving variability or uncertainty, such as weather forecasting, finance or assessing the effects of medicines.

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### Introduction

The course builds on descriptive statistics, such as averages and leads on to testing whether an observed result is statistically different from what might be expected.

The subject builds upon students' experiences of data handling at GCSE. A level Statistics is an applied mathematics subject which is looked at from purely a practical standpoint and the course contains very little algebra.

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**Level** Level 3

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### Specific course entry requirements

College entry to include GCSE Mathematics minimum grade 6.

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### What will I study?

During the Statistics course you will further develop the data handling skills learned at GCSE and the use of probability, sampling, correlation, time series and moving averages, as well as learning new topics such as the binomial and normal probability distributions. You will also look at the application of hypothesis testing to real-life situations. This may be looking for evidence of a relationship between gender and voting preference, or whether there is evidence of an increase in sales during a marketing campaign.

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### How will I be assessed?

100% Examination

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### Where will this course lead me?

Statistics is an excellent choice if you are interested in studying Economics, Psychology, Biology, Business or similar courses where you will have to analyse data and draw conclusions from the evidence.

