



OLD BUCKENHAM  
HIGH SCHOOL

*Be the best we can be*

# OBHS KS4 Subject Information

Title of Course:  
GCSE Statistics

Head of Maths: Mr D Foreman  
Responsibility for Statistics : Mr S Cowan

# Course Overview

## Why study Statistics?

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- This GCSE will build upon and develop the work done in the Handling Data section of the Mathematics GCSE.
- Real life scenarios will capture interest and give an insight into the importance of statistics in the real world.
- This qualification will allow students to develop skills they will use in other subjects such as Science and Geography.
- The curriculum for GCSE Statistics has been redesigned to enable students to acquire transferable skills to support them in progressing beyond GCSE in a range of subjects.

# Course Overview

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Examination and Assessment: Examination Board: Edexcel

- The GCSE is available at Higher and Foundation level although the course will be delivered initially at Higher level.
- The course is designed so a change to Foundation in Year 11 is straightforward if necessary.
- Being a strong mathematician is an advantage, it is not a necessity as the papers will contain short, medium and extended response questions.
- The course is assessed with Two 1 hour 30 minute written examinations in Year 11.
- A scientific calculator is a must.



# Course Overview

What topics will students be studying?

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## Topic 1: Collection of Data.

- Planning
- Types of Data
- Population and Sampling
- Collecting Data

## Topic 2 : Processing, Representing and Analysing Data.

- Tabulation, Diagrams and Representation
- Measures of Central Tendency
- Measures of Dispersion
- Further Summary Statistics
- Scatter Diagrams and Correlation
- Time Series
- Quality Assurance
- Estimation

## Topic 3: Probability

- Probability
- Probability Distributions