

## KS4 GCSE: Statistics

### Course Specifications

**Exam board: Edexcel**

**Course type: GCSE**

### Course Description

The Edexcel GCSE in Statistics provides students with the opportunity to develop skills in planning a statistical enquiry; collecting data, processing, analysing and representing data; interpreting and evaluating results and communicating plans, results and conclusions in a variety of forms, including using ICT. The course will be taught in year 10 and year 11.

### Skills & Abilities

There is a great demand on problem solving in Statistics GCSE and teaching focuses on this. We expect students to be able to tackle these questions in a more confident manner. In order to support their independent learning, we provide students access to MyMaths, Mathswatch and all students can access the online GCSE textbook.

### Assessment

100% examination.

There will be two papers each worth 50% of the course on each paper. Each paper will be for 90 minutes.

Each paper will be for 80 marks.

There will be two Tiers: Foundation and Higher.

### Careers & Progression

This qualification prepares students for progression to further study of mathematics at AS and A level, and also to the study of AS Core Mathematics. These Level 3 qualifications prepare students for a variety of further progression routes.

Students can also progress from this qualification to Level 3 qualifications in numerate disciplines, such as:

- A Levels in the sciences
- A Level Geography
- A Level Psychology
- A Level Economics
- Other qualifications that require mathematical skills, knowledge and understanding.

Statisticians are in demand in all sectors of society, ranging from government, to business and industry, to universities and research labs. As a statistician you can be involved with the development of new lifesaving drugs in a pharmaceutical; the shaping of public policy in government; the planning of market strategy in business, or the management of investment portfolios in finance. Not only are there a wide variety of exciting opportunities for statisticians, but careers in statistics generally can be quite lucrative, with statisticians of sufficient experience often able to earn six-figure salaries.

### **Guidance & Advice**

Pearson GCSE 9-1 Statistics  
MyMaths (school log in)  
Mathswatch (school log in)  
VIP zone