

# Statistics

Understand  
the world  
through data

Develop  
strong  
analytical  
skills

Learn how to  
interpret real  
world data to  
make informed  
decisions

Build confidence  
in handling  
uncertainty, risk and  
patterns in complex  
information

Strong  
enrichment  
programme



# A Level Statistics

**Behind every decision is data • Data drives decisions**  
**A level Statistics: Predict. Analyse. Succeed**  
**Turn data into decisions**

## What Will You Learn?

### Hypothesis testing

Learn how to test ideas, draw conclusions and make evidence-based decisions.

### Critical thinking

Evaluate methods, spot errors and communicate findings clearly, skills valued by universities and employers.

### Probability and risk

Understand chance, make predictions and see how probability shapes decisions everywhere.

### Statistical modelling

Use distributions like binomial, normal, Poisson and exponential to solve real problems.

This A level is ideal for students interested in

- Social sciences
- Business, finance and economics
- Psychology and health/sport sciences
- Geography, biology and environmental studies
- **In fact, any pathway where evidence based decision making is essential**

## How it supports progression:

- Highly regarded by universities and employers.
- Strengthens applications for degrees and careers in analytics, finance, business, psychology, geography, biosciences, teaching and more.
- Enhances quantitative skills needed for apprenticeships in data, digital and technical roles.

## Entry Requirements:

Strong GCSE mathematics skills and an interest in real world problem solving. A minimum of 5 X grade 5s including Grade 5 in Maths on the higher paper and Grade 5 in Science

## What's great about this course?



Focused exam revision with experienced examiners



Outstanding individual support for students

**Maths Academy** |   
*Proud to Partner*

For more information about our courses, visit [runshaw.ac.uk](https://runshaw.ac.uk)  
call **01772 643000** or email [info@runshaw.ac.uk](mailto:info@runshaw.ac.uk)