

Course information for Parents

Year: 9-11 Subject: GCSE Statistics

Faculty Area	Mathematics	Director of Faculty contact information	Mr M Sheppee msheppee@thehazeleyacademy.com
Examination Board	Edexcel	Specification Code	1ST0

Subject Content

Students will be developing their skills in:

- The collection of data
- Processing, representing and analysing data
- Probability

Additional Equipment Needed

- Casio scientific calculator (fx-83GT PLUS)
- Maths set including 30cm ruler, protractor, pair of compasses

All equipment is available to purchase at the school finance office or alternatively at supermarkets and stationery shops.

Assessment Details:

Students will sit two 90-minute exams at the end of the course. Calculators will be allowed in both exams.

The aims and objectives of this qualification are to enable students to develop statistical fluency and understanding through:

- the use of statistical techniques in a variety of authentic investigations, using real-world data in contexts such as, but not limited to, populations, climate, sales etc.
- identifying trends through carrying out appropriate calculations and data visualisation techniques
- the application of statistical techniques across the curriculum, in subjects such as the sciences, social sciences, computing, geography, business and economics, and outside the classroom in the world in general
- critically evaluating data, calculations and evaluations that would be commonly encountered in their studies and in everyday life
- understanding how technology has enabled the collection, visualisation and analysis of large quantities of data to inform decision-making processes in public, commercial and academic sectors, including how technology can be used to generate diagrams and visualisations to represent data
- understanding ways that data can be organised, processed and presented, including statistical measures to compare data, understanding the advantages of using technology to automate processing
- applying appropriate mathematical and statistical formulae, and building on prior knowledge.

What can I do to support my child at home?

- Discuss real life applications of statistics and where it is useful in the work place
- Provide access to a computer for online research and spreadsheet analysis

Recommended resources for the course:**Websites:**

www.hegartymaths.com
<http://mathsapp.pixl.org.uk/>

Teaching Staff Contact Details

Name	Role	Email	Tel
Mr M Sheppee	Head of Department	msheppee@thehazeleyacademy.com	01908 555620

Additional Information:

There is no coursework element to the course and assessment is by examination only.