

ENTRY REQUIREMENTS FOR ALL A LEVEL COURSES:

6 GCSEs grade A*-C (grade 9 - 4) in academic subjects, although some subjects may require grade A*-B (grade 9 - 6). If you have not taken traditional qualifications, or have not studied in the UK, we may be able to offer you a place based on performance in an entry test. To progress to the second year, students need a minimum of grade C in AS. A satisfactory reference may be required.

A LEVEL BIOLOGY

Topics covered:

- Cells, Exchange, Genetics
- Population, Gene Expression
- Practical Skills
- Communication, Homeostasis and Energy
- Control, Genomes and Environment

A LEVEL BUSINESS STUDIES

Topics covered:

- What is Business?
- Managers, leadership and decision making.
- Decision making to improve marketing performance
- Decision making to improve operational performance
- Decision making to improve financial performance
- Decision making to improve human resource performance
- Analysing the strategic position of a business (A-level only)
- Choosing strategic direction (A-level only)
- Strategic Methods; how to pursue strategies (A-level only)
- Managing strategic change (A-level only)

A LEVEL CHEMISTRY

Topics covered:

Physical Chemistry

- Atomic Structure
- Amount of Substance
- Bonding
- Energetics
- Kinetics
- Chemical Equilibria, Le Chatelier's Principle & K_c
- Oxidation, Reduction and Redox reactions
- Thermodynamics
- Rate Equations
- Equilibrium Constant K_p , homogenous systems ONLY
- Electrode Potentials & Electrochemical cells
- Acids and Bases

Inorganic Chemistry

- Periodicity
- Group 2 – Alkaline Earth Metals
- Group 7 (17) – The Halogens
- Properties of Period 3 Elements and their oxides
- Transition Metals
- Reactions of ions in aqueous solution

Organic Chemistry

- Introduction to Organic Chemistry
- Alkanes, Halogenoalkanes, Alkenes, Alcohols
- Organic Analysis
- Optical Isomerism, Aldehydes and Ketones, Carboxylic Acids and derivatives, Aromatic Chemistry, Amines, Polymers, Amino acids, Proteins and DNA, Organic Synthesis, Nuclear Magnetic Resonance Spectroscopy, Chromatography

A LEVEL ENGLISH LITERATURE

Course outline: This course is suitable for you if you enjoy reading in your own time; if you are interested in analysing novels, plays and poetry at GCSE and find it satisfying then you should consider this option. Learning methods include writing essays, exploring the meaning created in texts such as DVDs, creating displays, individual research, and extra-curricular activities, such as discussing texts in performance. You will work in pairs and in small groups, in addition to taking part in larger group discussions. As well as learning in the classroom, you will be expected to carry out a sizeable amount of reading and writing tasks in your own time.

Topics covered:

- Explorations in Prose and Poetry
- Explorations in Drama
- Interpretations of Prose and Poetry
- Reflections in Literary Studies

A LEVEL ENGLISH LANGUAGE & LITERATURE

Topics covered:

- Exploring Voices in Speech and Writing
- Creating Texts
- Varieties in Language and Literature
- Presenting the World

A LEVEL POLITICS

Topics covered:

- People and Politics
- Governing the UK
- Introducing Political Ideologies (Socialism, Liberalism, Conservatism and Anarchism)
- Other Ideological Traditions (Feminism, Nationalism, Ecologism and Multiculturalism)

A LEVEL HISTORY

Topics covered:

- In search of the American Dream: The USA circa 1917
- India circa 1914: The Road to Independence
- The British Experience of Warfare circa 1790 to 1918
- Historical Enquiry

A LEVEL LAW

Topics covered:

- English Legal System
- Sources of Law
- Criminal Law
- Criminal Law Special Study

A LEVEL FURTHER MATHEMATICS

Course outline: Further Mathematics is for students who have proven mathematical ability. They will possess mathematical flair, passion and love for the subject. Many students will go on to read Mathematics at University or follow a course that has significant mathematical content e.g. Engineering. Some of the Additional Further Mathematics modules may be delivered on-line via the Further Maths Network.

Topics covered:

- Further Concepts for Advanced Maths
- Numerical Methods
- Statistics 2
- Further Methods for Advanced Maths
- Statistics 3
- Statistics 1 or Mechanics 3

A LEVEL MATHEMATICS

Entry requirements:

- Grade B in GCSE Mathematics
- Five other academic GCSE subjects

Topics covered:

- Introduction to Advanced Maths
- Concepts for Advanced Maths
- Mechanics 1 or Statistics 1
- Methods for Advanced Maths
- Application of Advanced Maths
- Statistics 2 or Mechanics 2

A LEVEL MEDIA STUDIES

Topics covered:

- Media Representations and Responses
- Media Production Processes
- Media Investigation and Production
- Media – Text, Industry and Audience

A LEVEL PHYSICS

Topics Covered

- Measurements and their errors
- Particles and radiation
- Waves
- Mechanics and materials
- Electricity
- Further Mechanics
- Fields and their consequences
- Nuclear Physics

Optional topic (1 from)

- Astrophysics
- Medical Physics
- Engineering Physics
- Turning points in physics
- Electronics

A LEVEL PSYCHOLOGY

Topics covered:

- Cognitive and Social processes
- Biological and learning Psychology
- Application of Psychology – Clinical and Criminal
- Synoptic

A LEVEL SOCIOLOGY

Topics covered:

- Families and Households
- Education
- Beliefs in Society
- Theory & Methods and Crime and Deviance