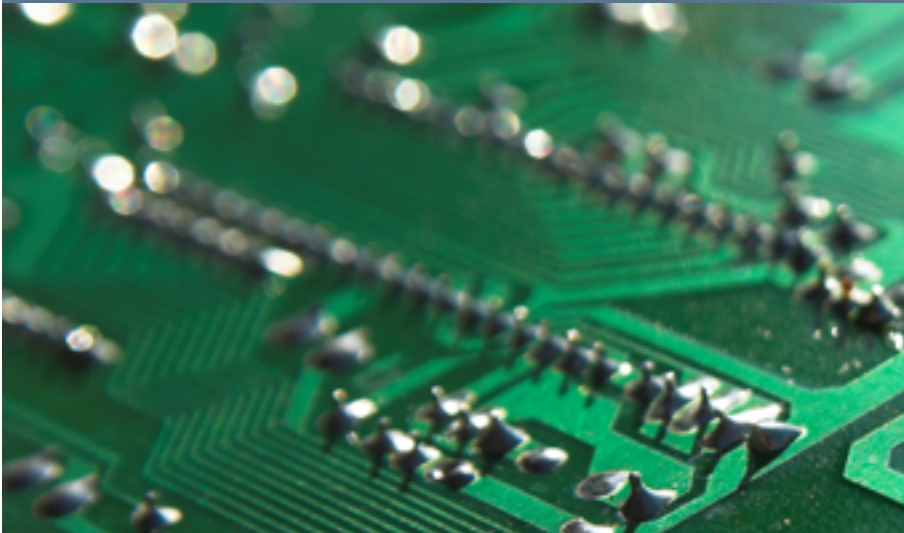


Information and Communication Technology



OCR A-Level

Overview

ICT is concerned with how data can be used and processed in a rapidly changing world. It allows students opportunities to develop a sound understanding of how software packages may be used to meet the needs of an organisation.

Aims

- ▶ To encourage candidates to develop the capacity to think creatively, innovatively, analytically, logically and critically.
- ▶ To be able to apply skills, knowledge and understanding of ICT in a range of contexts.

Grade Requirement

You should have 5 GCSE's grades A*-C, including English Language and Mathematics. ICT is heavily theoretical so 'B' grades are advantageous. If ICT has been studied at GCSE, students must have achieved a 'B' grade.

Complementary Subjects

ICT is at the heart of the majority of commercial, industrial, service and scientific organisations. Therefore, ICT complements many subjects; for example Business Studies, Media, Mathematics and Economics.

Information Systems and Applications

Systems, Applications and Implications

Structured ICT Tasks

ICT Project



A-Level ICT is designed to allow students the opportunity to develop their understanding of how ICT is used to assist in the processing of data in a range of organisations and situations. Students with a good knowledge of ICT and a genuine desire to improve their understanding and performance should consider this option. It allows students the opportunities to develop a sound understanding of the ways in which software packages may be used and tailored to meet the needs of an organisation. ICT encourages the development of different methods of enquiry drawn from a wide range of theoretical and practical elements.

ICT aims to encourage candidates to develop the capacity to think creatively, innovatively, analytically, logically and critically, working in independent and collaborative contexts. The basis of doing well at ICT is focused on being able to apply skills, knowledge and understanding of ICT in a range of contexts to solve problems. This is particularly relevant when looking at individuals, organisations and society in relation to social, legal and ethical considerations. Students will also develop an awareness of emerging technologies and an appreciation of the current and potential impacts these may have on individuals, organisations and society.

Many students go on to study ICT at university having developed a firm grasp of a range of skills and abilities. The course is diverse and stimulating and is increasingly relevant in a rapidly-changing and challenging business and technological environment. The skills developed at A-Level provide a sound basis for further study at degree level but ICT students are also an attractive option to employers who need people who are good at problem-solving, project management and matching resources to problems.

