

ICT Curriculum Information

Year 6

During Year 6 students are taught ICT in one double lesson for half of the year; in this time they develop a wide range of ICT skills. The course consists of an introduction to touch-typing using accelerated learning techniques, word-processing and desktop publishing techniques and the use of PowerPoint to create an interactive presentation.

Year 7

During Year 7 students are taught ICT in one double lesson for half of the year; in this time they further develop a range of skills for use across the whole curriculum. They are taught to extend their word-processing skills, develop presentation skills using PowerPoint, learn effectively to manage files, as well as use spreadsheets to display and analyse data.

Year 8

During Year 8 students are taught ICT in one double lesson for half of the year; in this time they study the use of Excel, in particular learning to use advanced mathematical and logical functions, and see how spreadsheets can be used to model real world problems.

Year 9

During Year 9 students are taught ICT in one double lesson for half of the year. They apply their ICT knowledge and skills from the previous 3 years to evaluate word-processing, desk-top publishing, spreadsheet, presentation and database packages to create letterheads, business cards, flyers, posters, presentations and a database for a new hypothetical business venture.

Years 10 and 11 (GCSE)

Edexcel Information and Communications Technology

Unit 1 - 40% GCSE

In this unit students explore how digital technology impacts on the lives of individuals, organisations and society. They learn about current and emerging digital technologies and the issues raised by their use in a range of contexts (learning and earning, leisure, shopping and money management, health and wellbeing and on the move).

They develop awareness of the risks that are inherent in using ICT and the features of safe, secure and responsible practice. The digital world is a rapidly changing one,



with developments in both the technology and the way in which it is used. The content of this unit is specified using generic categories, avoiding the use of specific terms that will date.

Students should be encouraged to keep up-to-date with emerging technology as part of their learning experience

Unit 2 – 60% GCSE

This is a practical unit. Students broaden and enhance their ICT skills and capability. They work with a range of digital tools and techniques to produce effective ICT solutions in a range of contexts.

They learn to reflect critically on their own and others' use of ICT and to adopt safe, secure and responsible practice.

Year 12 (AS)

AQA ICT(1521)

Assessment: 2 written units each worth 50% of the AS grade

During the AS course students develop practical skills in a wide variety of software applications, including spreadsheet, database and web-based applications. They develop skills in order to analyse, design, test and evaluate systems. Theoretical topics include the study of types of software and hardware available, as well as the dangers and legal constraints of using computer-based systems. A study of the use of ICT in the real world provides a focus for a unit in which they study the impact that ICT has had on us living in the digital world.

Year 13 (A2)

AQA ICT (2521)

Assessment: 1 written unit worth 30% of the A level grade and coursework portfolio worth 20% of the A Level grade.

At A2 level students undertake a major ICT-based project of their choice, in which they further develop their skills in system analysis. The project is developed and builds upon the work done at AS level. The girls use either Excel or Access to develop a working prototype system to be tested by real people in a real world situation. They also consider the impact ICT has on organisations from systems management to budgetary planning and the what lies in the future developments within ICT.

